

```
1 TCGGCGGAGC GAGTGGAGGC TGCAGCCCAG CTCGTCTCGG CGCCCGCGTC
51 GCCGTCGCGA AGCCCCCCGC CCCGCTTCCG CCGCGTCGGA ATGAGCTCCC
101 GGAAAGTGCT GGCCATTGAG GCCCGAAAGC GGAGGCCGAA AAGAGAGAAA
151 CATCCGAAAA AGCCGGAGCC TCAACAGAAA GCTCCTTTAG TTCCTCCTCC
201 TCCACCGCCA CCACCACCAC CACCGCCACC TTTGCCAGAC CCCACACCCC
251 CGGAGCCAGA GGAGGAGATC CTGGGATCAG ATGATGAGGA GCAAGAGGAC
301 CCTGCGGACT ACTGCAAAGG TGGATATCAT CCAGTGAAAA TTGGAGACCT
351 TTCAATGGC CGGTATCATG TTATTAGAAA GCTTGGATGG GGGCACTTCT
401 CTAAGTGCTG GCTGTGCTGG GATATGCAGG GGAAAAGATT TGTGCAATG
451 AAAGTTGTAA AAAGTGCCCA GCATTATACG GAGACAGCCT TGGATGAAAT
501 AAAATTGCTC AAATGTGTTT GAGAAAGTGA TCCCAGTGAC CCAAACAAAG
551 AATCGGTGGT CCAGCTCATT GACGACTTCA AGATTTTCAG CATGAATGGG
601 ATACATGTCT GCATGGTCTT CGAAGTACTT GGCCACCATC TCCTCAAGTG
651 GATCATCAAA TCCAATATC AAGGCCTCCC AGTACGTTGT GTGAAGAGTA
701 TCATTGCGCA GGTCTTTCAA GGGTTAGATT ACTTACACAG TAAGTGCAAG
751 AATCGGTGAG CTGACATAAA GCCGGAATAA ATCTTGATGT GTGTGGATGA
801 TGCATATGTG AGAAGAATGG CAGCTGAGGC CACTGAGTGG CAGAAAGCAG
851 GTGCTCCTCC TCCTTCAGGG TCTGCACTGA GTACGGCTCC ACAGCAGAAA
901 CCTATAGGAA AAATATCTAA AAACAAAAAG AAAAACTGA AAAAGAAAAA
951 AATCGGTGAG GCTGAGTTAT TGGAGAAGCG CCTGCAGGAG ATAGAAGAAT
1001 TGGAGCGAGA AGCTGAAAGG AAAATAATAG AAGAAAAAT CACCTCAGCT
1051 GCACCTTCCA ATGACCAGGA TGGCGAATAC TGCCAGAGG TGAAACTAAA
1101 AACAAACAGG TTAGAGGAGG CGGCTGAGGC AGAGACTGCA AAGGACAATG
1151 GTGAAGCTGA GGACCAGGAA GAGAAAGAAG ATGCTGAGAA AGAAAAACAT
1201 GAAAAAGATG AAGATGATGT AGATCAGGAA CTTGCGAACA TAGACCCTAC
1251 GTGGATAGAA TCACCTAAAA CCAATGGCCA TATTGAGAAT GGCCCATTTCT
1301 CACTGGAGCA GCAACTGGAC GATGAAGATG ATGATGAAGA AGACTGCCCA
1351 AATCCTGAGG AATATAATCT TGATGAGCCA AATGCAGAAA GTGATTACAC
1401 ATATAGCAGC TCCTATGAAC AATTCAATGG TGAATTGCCA AATGGACGAC
1451 ATAAAAATCC CGAGTCACAG TTCCCAGAGT TTTCCACCTC GTTGTCTCT
1501 GGATCCTTAG AACCTGTGGC CTGCGGCTCT GTGCTTTCTG AGGGATCACC
1551 ACTTACTGAG CAAGAGGAGA GCAGTCCATC CCATGACAGA AGCAGAACGG
1601 TTTAGCCTC CAGTACTGGG GATTTGCCAA AAGCAAAAAC CCGGGCAGCT
1651 GACTTGTGGG TGAATCCCCT GGATCCGCGG AATGCAGATA AAATTAGAGT
1701 AAAAATTGCT GACCTGGGAA ATGCTTGTGG GGTGCATAAA CACTTCACGG
1751 AAGACATCCA GACGCTCAG TACCGCTCCA TAGAGGTTTT AATAGGAGCG
1801 GGGTACAGCA CCCCTGCGGA CATCTGGAGC ACGGCGTGTG TGGCATTGTA
1851 GCTGGCAACG GGAGATTATT TGTTTGAACC ACATTCTGGG GAAGACTATT
1901 CCAGAGACGA AGACCACATA GCCACATCA TAGAGCTGCT AGGCAGTATT
1951 CCAAGGCAC TTTGCTCTATC TGGAAAAATAT TCTCGGGAAT TCTTCAATCG
2001 CAGAGGAGAA CTGCGACACA TCACCAAGCT GAAGCCCTGG AGCCTCTTTG
2051 ATGTAATTTG GGAAAAGTAT GGCTGGCCCC ATGAAGATGC TGCACAGTTT
2101 ACAGATTTCC TGATCCCGAT GTTAGAAATG GTTCCAGAAA AACGAGCCTC
2151 AGCTGGCGAA TGCCTTCGGC ATCCTTGGTT GAATTTCTAG CAAATTTCTAC
2201 CAATATTGCA TTCTGAGCTA GCAAATGTTC CCAGTACATT GGACCTAAAC
2251 GGTGACTCTC ATTCTTTAAC AGGATTACAA GTGAGCTGGC TTATCCTCA
2301 GACCTTTATT TTGCTTTGAG GTAGTGTGTT TTGACATTTT GCTTTTTGTG
2351 CACTGTGATC CTGGGGAAGG GTAGTCTTTT GTCTTCAGTT AAGTAGTTTA
2401 CTGACCATT TCTTCTGGAA ACAATAACAT GTCTCTAAGC ATTGTTTCTT
2451 GTGTTGTGTG ACATTCAAAT GTCAATTTTT TGAATGAAAA ATACTTTCCC
2501 CTTTGTGTTT TGGCAGGTTT TGTAATATT TATGAAGAAA TATTTTAGCT
2551 GAGTACTATA TAATTTACAA TCTTAAGAAA TTATCAAGTT GGGAAACCAAG
2601 AAAATAGCAA GGGAAATGTA CAATTTTATC TTCTGGCAAA GGGACATCAT
2651 TCCTGTATTA TAGTGATGTT AAATGCACCC TGTAATGTT ACTTTGGATT
2701 AAATATGGGA GGGGGGACTC AAATTCAGA AAAGCTAAAA AAAAAAAAAA
2751 AGTAATAAGG AAAAAATCTC TTATATTAAA ATACCTTTTC TTTGTTTTTT
2801 TGTTTTTCTT ATTTTATATT ATTAATACAA CTTAACGTTG CGAAAGCACT
2851 ATGAAAAAAT TAATACCATG AAAAGGATCA AAAATCATAA ATCAAAACCC
2901 CACTATAGTC CAACGACAAT TCATTCTCGG CGGTCAACTT TTTAACATCT
2951 TATACTAGTA CCTGAGACTC TGGTGCTCAA TATTAATATT CTAAATCTAC
3001 CACCAAGTTA GGCCCGTAAT GTCGTCTCTC TCGTGAATCT GTCATACAAT
3051 ACATTTTTCT ATTTATTTAG TGGGTCTCGT TTATCTTTTG CCCACATCTT
3101 TGTTCACTAT TTTCTAGTTA CTCTTATCTT TGGGCTGATT AATCCTTCTC
3151 ATTATACTCA TATAAACTTC TGAATTTTTT ACATAAAACT ACTAGAGCTA
3201 CCTCACCATC TCTGTTTTTA ACGCGAGCAG TTACTATATA ATTACTATTT
3251 AAA (SEQ ID NO:1)
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FEATURES:

FIGURE 1A

5' UTR: 1-90
Start codon: 91
Stop codon: 2187
3' UTR: 2190-3253

Homologous proteins:
Top 10 BLAST Hits

			Score	E
gi 3406050	gb AAC29140.1	(AC005070) serine kinase SRPK2 [Homo ...	1415	0.0
gi 4507221	ref NP_003129.1	SFRS protein kinase 2 [Homo sapiens...	1400	0.0
gi 3406051	gb AAC29141.1	(AC005070) serine kinase SRPK2-altern...	1396	0.0
gi 6678135	ref NP_033300.1	serine/arginine-rich protein specif...	1324	0.0
gi 7513813	pir JJC5929	serine/arginine-rich protein-specific ki...	1320	0.0
gi 4507219	ref NP_003128.1	SFRS protein kinase 1 [Homo sapiens...	792	0.0
gi 3135976	emb CAB16202.1	(Z99128) dJ422H11.1.2 (Serine Kinase...	785	0.0
gi 7513812	pir JJC5930	serine/arginine-rich protein-specific ki...	783	0.0
gi 7949139	ref NP_058075.1	serine/arginine-rich protein specif...	781	0.0
gi 3135975	emb CAB16201.1	(Z99128) dJ422H11.1.1 (Serine Kinase...	778	0.0

BLAST to dbEST:

			Score	E
dbj AU124932.1 AU124932	AU124932 NT2RM4 Homo sapiens cDNA c...	1515	0.0	
gb AI038250.1 AI038250	oy85e06.x1 Soares_fetal_liver_spleen...	1279	0.0	
gb AA553654.1 AA553654	nk79c03.s1 NCI_CGAP_Sch1 Homo sapien...	1267	0.0	
gb AW149364.1 AW149364	xf36c05.x1 NCI_CGAP_Brn50 Homo sapie...	1203	0.0	
emb AL045361.1 AL045361	DKFZp434C115_r1 434 (synonym: htes3...	1144	0.0	
gb BE793406.1 BE793406	601588440F1 NIH_MGC_7 Homo sapiens c...	1084	0.0	
gb AW629710.1 AW629710	hh68h04.y1 NCI_CGAP_GU1 Homo sapiens...	1084	0.0	
gb AI032748.1 AI032748	ox13f05.x1 Soares_fetal_liver_spleen...	1076	0.0	
emb AL045362.1 AL045362	DKFZp434C115_s1 434 (synonym: htes3...	1070	0.0	
gb AA573426.1 AA573426	nk99b04.s1 NCI_CGAP_Co3 Homo sapiens...	1068	0.0	
gb AI830963.1 AI830963	wj80d11.x1 NCI_CGAP_Lym12 Homo sapie...	995	0.0	
gb AI127471.1 AI127471	qb99f03.x1 Soares_fetal_heart_NbHH19...	971	0.0	
gb AI199780.1 AI199780	qi60h04.x1 NCI_CGAP_Brn25 Homo sapie...	948	0.0	
gb AI184192.1 AI184192	qf46g01.x1 Soares_testis_NHT Homo sa...	948	0.0	

EXPRESSION INFORMATION FOR MODULATORY USE:

library source:

Expression information from BLAST dbEST hits:

dbj AU124932.1 AU124932	Neuronal precursor cells
gb AI038250.1 AI038250	Fetal liver spleen
gb AA553654.1 AA553654	Schwannoma tumors
gb AW149364.1 AW149364	Brain
emb AL045361.1 AL045361	Testis
gb BE793406.1 BE793406	Lung - small cell carcinoma
gb AW629710.1 AW629710	Genitourinary tract cell tumors
gb AI032748.1 AI032748	fetal liver spleen
emb AL045362.1 AL045362	Testis
gb AA573426.1 AA573426	Colon
gb AI830963.1 AI830963	Lymph
gb AI127471.1 AI127471	fetal heart
gb AI199780.1 AI199780	Brain
gb AI184192.1 AI184192	Testis

Expression information from PCR-based tissue screening panels:
whole brain

FIGURE 1B

Docket No.: CL001043DIV II
Serial No.: TO BE ASSIGNED
Inventors: ABU-THREIDEH et al.
Title: ISOLATED HUMAN KINASE ...

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1  MSSRKVLAIQ ARKRRPKREK HPKKPEPQQK APLVPPPPPP PPPPPPPLPD
51  PTPPEPEEEI LGSDDEEQED PADYCKGGYH PVKIGDLFNG RYHVIRKLGW
101 GHFSTVWLCW DMQGKRFVAM KVVKSAQHYT ETALDEIKLL KCVRES DPSD
151 PNKDMVVQLI DDFKISGMNG IHVCMVFEVL GHLLKWIIC SNYQGLPVRC
201 VKSIIRQVLQ GLDYLSKCK IIHTDIKPEN ILMCVDDAYV RRMAAEATEW
251 QKAGAPPPSG SAVSTAPQQK PIGKISKNNK KKLKKKQKRQ AELLEKRLQE
301 IEELEREAEK KIIENITSA APSNDQGEY CPEVKLKTG LEEAAEAETA
351 KONGEAEDQE EKEDAEKENI EKDEDDVDQE LANIDPTWIE SPKTNGHIEN
401 GPFSLQQLD DEDDDEEDCP NPEEYNLDEP NAESDYTYSS SYEQFNGELP
451 NGRHKIPESQ FPEFSTSLFS GSLEPVACGS VLSEGSPLTE QEESPSHDR
501 SRTVSASSTG DLPKAKTRAA DLLVNPLDPR NADKIRVKIA DLGNACWVHK
551 HFTEDIQTRQ YRSIEVLIGA GYSTPADIWS TACMAFELAT GDYLFEPHSG
601 EDYSRDEDHI AHIIELLSGI PRHFALSGKY SREFFNRRGE LRHITKLKPW
651 SLFDVLVEKY GWPHEAAQF TDFLIPMLEM VPEKRASAGE CLRHPWLNS (SEQ ID NO:2)
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FEATURES:

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	165	185	0.676	Putative
2	463	483	0.896	Putative
3	566	586	0.765	Putative

FIGURE 2A

Hmmer search results (Pfam):

Model	Description	Score	E-value	N
PF00069	Eukaryotic protein kinase domain	136.6	4.3e-37	3
CE00022	CE00022 MAGUK_subfamily_d	7.5	0.04	2

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
PF00069	1/3	92	232 ..	1	123 [.	90.1	6.6e-24
CE00022	1/2	206	232 ..	128	153 ..	5.4	0.17
PF00069	2/3	522	591 ..	123	185 ..	27.5	1.6e-06
CE00022	2/2	677	697 ..	263	283 ..	2.1	1.6
PF00069	3/3	670	697 ..	248	278 .]	19.6	0.00025

FIGURE 2B

1	TCTCAAACCT	TTTCCTCCCG	CTGGGGAAGT	GGCAAACCTAC	TGAAGTTCCT
51	TACTTGCCCTC	TCCTCCTTCA	GAACCTCTCTT	TTGCCTGGGA	CCATTCCACT
101	TTCAAGTAAGG	GCACATGTGT	TAAAAAGAAG	CGAGCATTTA	CATGGCTTCC
151	AGAAGAATTC	TTGTACTTCT	TGGTAAGGCC	CTGGTTGGGA	AGTTTTGAAT
201	GTATTCTGGA	AGTGGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT
251	GTGTGTGTGT	GTGTGTGAGA	GAGAGAGAGA	GAGAGAGAAT	GAATATTATT
301	CTCTTTCAGG	GCTCTGTGAA	GAGAATGGTT	AACTTGGAGT	GTTATCATCA
351	CTACAATCCT	GATGTCTGTT	ACCCAGGGAG	CTGTAAGTGT	TGAGTCTTCA
401	TAAATTCCCA	GAAAGCAGCA	ATCAGTACAT	TTTCAGCTTA	TAAATATTCT
451	TTAGTTGTCC	TGCTAAAGAT	ATTCTACCT	TTGATTATTT	GCCTTTAAGT
501	TGACCTATTG	TGTGTGATCC	CCACCCCTTC	CTCATGATGT	CAGGTGTTTC
551	TGCTGCCTTC	TATTCCTACT	CCTTCCTTCA	GTTGTGGCCG	TATGGGTTTT
601	TTTGTGGCA	AGCCACATGC	ATTAGTGGTG	GTGTTGGAGG	CTCTCAGATT
651	GGGCAAGGAT	TTAGAGGCC	AGTTTAGAAG	AGGCAGTGGT	TGAGGCAGCT
701	CCTTTGGCCT	GTCTCTTAGT	GGCAGCTACA	GATGAGCTTG	CATTGCTAAG
751	ACCCTGACCT	TCTCAAGATT	CCAGGGCTGA	AGAGTGAGCT	TTGACTGTAT
801	GCCGCAGGCT	GTGCTGCACT	GAGGAGAGAA	AGGATCCAGA	ATCGGCCTTC
851	CACTGGGCAG	AGAGCAACAG	TGTTCCAAAA	GGAAATCTAG	CAATAACACC
901	AAGATTCCAC	CTGCTCTCAA	CAACTAGGGC	TTAGGTCTTT	GAACCTTCA
951	TTGACAACGG	CTATACCCTT	AAAATAGGGC	GCATGCTGGG	TGACAGCAGG
1001	TGCATGGTGT	GAGGAACTGG	TGCTAAAGAA	TTTTGCTGGA	CCAGAACCAG
1051	ACCACAATAT	GTTTGTCAAG	CTTGTTCTTC	TAGACGCAGC	AGGCCTGAGG
1101	GCTGCCGTTG	CAGAAATGCC	CCAAGGAATG	GCACTCACAT	GTCGGGCAAC
1151	TGACCCTCAG	AGCAACCTTT	CCACAGCAGC	CGTCATCTTC	AGCGCACGCA
1201	TTCAAGTGGTA	GTTTTATTAG	TGGGATAGCT	TAAGGGAGAG	ATGTGCTTCC
1251	GGCATCCAGA	TTGAGACTGT	AGGGTCCTAT	TTCCCCGCAC	TGGGGCATGG
1301	TTAGGAATAG	TAAGTGAATC	CCATTATGAA	CCATTCTCCT	CATAGAGCCC
1351	TGAAAGGGAA	TAATCTCAAT	CAATCAAACA	CACACACACA	CACCGCTTCC
1401	AGAATACATT	CAAAACTTCG	AACAGGCCTT	ATAGAAGTAC	AAGAATCTTT
1451	CTGGCAATCT	TGTATATTTT	AGCTACAGTG	TATGTTAATC	AGCTTTTATG
1501	AGTTATTGAA	ACCTAACCTC	ATTGCCACCT	ATTTCTATGG	GAAAAGAATT
1551	CTCATTTTCA	GATAACAGGA	AATAAGTGCT	TTCAAAAGTT	GAGTGCTGCT
1601	TGCGCCTGTC	TTTTTATAAT	CGTTGTGATG	TTTTCTAACC	AATAAGGCTA
1651	TATACCATGG	AATACGCTTT	CAITTCACCT	AAATTTCCCA	AGATTTGGTAG
1701	GAGTTGAGTG	GAGCGCACTG	AAATTTCTTA	ACATTGGTAG	TTCTTGAAGC
1751	GCTAAGTGAA	AAGATACCTA	CAGAAAAAAA	TTCCTTAGCT	AATAAGGGCA
1801	GATTTTTTTT	TTTTTTGGCC	TGACTTATAT	GTTGAAACAC	TACTTGAATT
1851	CAACTAAAAT	GGGTGAAGTG	ACATTAAATG	ACATTTCTTC	TTAGTATGTG
1901	ACAAGTTTTA	TTTTTTCCCC	CATATTAAGA	AGTGCTCAAA	TGCATCCATA
1951	ATGCAAGATG	TACTTCTAAG	TAAATAGCAA	TTTTCTCTCT	GCTCTTTCAG
2001	GCCGGAGCCT	CAACAGAAAG	CTCCTTTAGT	TCCTCCTCCT	CCACCGCCAC
2051	CACCACCACC	ACCGCCACCT	TTGCCAGACC	CCACACCCCC	GGAGCCAGAG
2101	GAGGAGATCC	TGGGATCAGA	TGATGAGGAG	CAAGAGGACC	CTGCGGACTA
2151	CTGCAAAGGT	GATGTGCCAA	GCATGGTGGT	GTGGGGCTTG	CCTTCCCCAT
2201	TGGGCTGTGT	AGTAATTTGT	TGGGGGAATG	GACAAGGGGA	GGAGGTAGTG
2251	ATGCAAATTG	CTTGGTCTTC	ATTAAATTAG	CCTCCTTG TG	TCATTATCAT
2301	TTTAAATTCT	TAGGTCATTG	TATAGAGACT	GATATCAGAA	AATATTAAGT
2351	GATATGAGAG	AGAATTGTAA	GACAAAATAC	ATGTATTTGT	ACATACATAT
2401	TCTAGGTACT	TTCAGAAGGA	CTTAAATCTG	TTAGAATTAA	AGGTAGTATA
2451	CAGCAGGACA	GTTAGAGGAC	ATAATAAACC	ATCTAAAAGG	AGCACTGGGC
2501	CAGTGCGGTG	GCTGAAGCCT	GTAATCCCAG	CACTTTAGGA	GGTCGAGGTG
2551	GGCAGATCGC	TTGAGTTCAG	GAATTCAAGA	CCAGCCTGGG	CAATGTGGTG
2601	AGACACTGTC	TCTACAAAAA	GTGCAAAAAA	TTAGCTGGGC	ATGGTGGTAA
2651	GTGCTGTAG	TTCCAGGCAC	TTGGGGCGCT	AAGGTGGGAG	GAACACTTGA
2701	GCCCAGGAGG	CAGAGGTTTC	AGTGAGCTGA	GATCGTGCTA	CTGCAGTCCA
2751	GCCTGGGCGG	CAGAACCAAG	TCCTGCCTCC	AAAAAATAAA	GTACAATAAA

FIGURE 3A

2801	AACATTA AAA	TAATAAAAGA	ACATAGAGAG	GAGAAAGTGT	ACCAGGCTCC
2851	TGAGGGGAGC	TAATTATAAC	TCTTGTGCAC	TGTATTTGAC	TTTCTGTTTT
2901	CTGACTGCTA	AGGCTAAAAG	AAAACCATT C	CTTTCTTTGT	GTAGCATTGA
2951	ATTACATAGC	GTTTATTGTC	TGTGGGAAGC	AAGCATGCAC	ATTTGTTTAC
3001	AGAGAAAAGAT	TCTTTCCTGG	CATTGTACTT	AACGAAAAAG	ACATTCTGTG
3051	GGGTTCTGCC	ATTGTGTGAC	ATAGTGGGTT	ATGTTTT CAG	CTATGATTT C
3101	ACGGAAGACA	CAGAAACTAT	TCAAGTGGAG	TGTTCTTGTA	TTGATGCTTT
3151	GTAAAGACCA	AGAGTTAAAC	TCCTAAAGGG	CAAGCGTGTT	GTGTGATGAA
3201	TATTAAGAAC	AATATGATCT	AGACACCATG	CTTTGTGTGG	ACCCAACTGA
3251	GAATCTAGGA	GAAAGAGAAA	TGACTATTCA	GCTGCTTCTT	TGTCACTTAA
3301	CTTACTGATT	TGGACATTAA	TTTTCTGGAA	TTTGGAGCTC	CTGAGCCAAA
3351	GTTGGTGAGA	TGAATTTATT	TGCTACAGAT	TTTAAAAATT	GTAAATCAGA
3401	TTCTATATAG	CATTAGAATA	AATGGCAGAA	AATGCAGACA	TGTT CAGAAC
3451	ATAAAGCATT	AATGAATTTT	GGGTTCCATA	TGTCTTAATA	ATTCATCATT
3501	TATCTAGTAG	ATATAGATCA	TTTGTATGTT	GGTTCAGAAA	CAGTGTACAT
3551	TTAATTACCT	GCTAAGAGGA	AGAGAAAGTT	ACTGTACTAC	AAAAGTGTAG
3601	GAACTAATCT	ACTCTAACCT	GATTCTTTCA	TAGGTGCACG	TACTTCCACA
3651	TAGAATCAGT	GTGTTCCCTA	GAAAAGAGTG	TAGATCTTAC	TTAGCATTTG
3701	TCTGAATAGT	GGTTACAACC	CCAAAGATCT	ATGCAGTCTA	GTAAAAGAAA
3751	AGATAGAGCC	AGTTTGAAAG	GTGACAAGAA	GGTGT TTTCC	ATCCTCCCTC
3801	TTACTCTTCA	TTTCTTATAC	TGTCTTCGAT	TTTTCTGCTG	AGGCCCAGCA
3851	TTAGGTTTCAT	CTGTAGGTGC	CATTCTTTTT	TCTTTTCTTG	TTTTTCTTTT
3901	TTCTGAGACA	GTCTTGTTCT	GTTGCCCAGG	CTGGAGTGCA	ATGGCGTGAT
3951	CACAGCTCAC	TGCAGCCTCA	ACCTCCTGGG	CCTGAGCAAT	CCTCCCATCT
4001	CAGCCTCCTG	AGTCCTGGGC	TTGAGCAATC	CTCCCATCTC	AGCCTCCTGA
4051	GTCTTGGGCT	TGAGCAGTCC	TCCCACCTCA	GCCTCCTGAG	CAGTTGGAAC
4101	TGCAGGCATG	TGTCACCACC	CCTGGTTAAT	GAAAAGTTTT	TTTTTTTTTT
4151	CTTCTGGTAG	CGACAGGGTC	TGGCTAGAAC	CATTCTTTAG	GAGCTGTTTC
4201	CTTCAGCAAA	TAGGTTCTAC	CAAGCAGGAG	TGAAAAC TGT	CTTGTT CATC
4251	TGGATCTTAA	GTATGTGGGT	CAGGAGATGT	AACCAATACT	CTCATCCCCT
4301	TACTATCTCT	GGGAACCAGC	ACAGTGGACA	TCCAAACCCC	AAATATAGGG
4351	CTAAGAATAA	AGTATTCCAC	AGCCGGGGCT	GTTTCTAGGT	AACATTCACT
4401	GAACTCTAAC	CTTCACAGAG	TATTAAGT C	AGCATCAGTA	AGGTCA TTAG
4451	AGATAGTAAG	GTTCCCTCCT	TATACCCGTG	CCAGCCCCC	CCAAATTTGG
4501	TAAGTAACTT	GTACCTTTAG	TTAGCATTAC	ATGTGACAGA	TGCCCTACTT
4551	TGAATTTTGT	GGTATATTCC	ACAACAGTTT	GTATAAGATT	ACTGACATAT
4601	ACATATTCAG	GGAGTCCAAG	GAATTGATTT	GGAATGTCTG	GAATAAGACC
4651	TGTGGCCTTC	TCATTTTTTG	TTCTTG GATA	AAGAGATAAA	TCCCCTCACC
4701	CTCTGCCAGG	ACTGGTTGAG	CTAAAATTAC	TAATATGGTG	TTTTATCATC
4751	CCTGAATACT	TTAGTACATT	TTACCTACAA	TCAAGTACAT	TCTCCTATAT
4801	ATCAAAATAC	AACCATCAAG	ATCAGAAATT	TAACACTGAT	ACTTCACTAC
4851	TATTCAGACC	TCGGGCTTAT	CAGGTACTGC	CAGTTGCCCA	GTGTTGTCCA
4901	TTATGTGTAA	TGAATCTGTG	GCAGAAGCGC	ATATTCTGTT	TTCTTGTTTT
4951	TGTAATTTCT	TTTAATTTGG	AACAGTTCTC	AGTGTTT TCC	TGGCTTTCAT
5001	GTCCCTGACA	TTTTTGAAGA	TTGTAAACCG	GTTATTTTAT	ATAATGTTTC
5051	TCAATTTGGG	ATGCCACAGT	AGTGATGTTG	TCTTTT TGCA	TTAAATCCTT
5101	TCAGATGGTA	CACAGGTTTG	ATTTATTCCA	TTGGAGTTGA	TGCCTTCACT
5151	TGATCAAGAT	TGTGTCTGCC	AGATATCCCT	GACAGCTGTT	CTTTTCCCCT
5201	AGTAATAAGT	ATTTTGTTGA	GAGTTACTTT	GAGACTACAT	ATATAACCCA
5251	TTCAAATATT	TATCCCTACC	CCCGCCGCCA	CCCCGGGCTG	ACTTTCTGTC
5301	TCGGGTGGAC	TGATAAATTC	ATGGATCTCT	GTTTTATTCA	GTGGGTTATG
5351	ATCACTTACT	CTCCTTATAT	GTTTTGATGC	TTAGATTATC	CCAAATTTTG
5401	TTCTTAGGAG	CCCCTTCAGA	TTGGTTCTGT	GTCCTTTTGA	AATGCCTCAA
5451	TCGTTCTTTG	ATCGTTTATT	TTTTTGTTTT	GTTTTGAGAT	GGAGTCTCGC
5501	TCTGTCACCC	AGGCTGTAGT	GCAGTGGTGT	GATCTCTGTT	TCACTGCAAC
5551	CTCCACCTCC	TGGGTTCAAG	CAATTCTCGT	GCCAGCCTCC	TGAGTAGCTG

FIGURE 3B

5601	AGACTACAGG	CTCATGCCAC	CACGCCTGGT	TAACCTTTGT	ATTTTTAGTA
5651	GAGATGGGGT	TTCACCATGT	TGGCCAGGCT	GGTCTTGAAC	TCCTGACCTC
5701	AAGTAATTCT	CCTGCCTCAG	CCTCCCAAAG	TATTGGGATT	ACCGGTGTGA
5751	ACCACCATGC	CCGGTCCTTT	GATCATTTCT	TTACCTTCAA	GTACAGTAGG
5801	ATATGCCAGG	TTCATCTTGT	GTTTTTCCTA	TCCCAGCCCT	GGAGTCTACT
5851	CTTTTCACAG	AGAATCCTGC	TTTTTTTTTT	TTTTTTTTTA	AATTAAACAA
5901	TAATATTTAG	AAAGCTAGAC	CTGGGCATTA	GGTGTGCTTA	TTACTTTTGG
5951	CTTGTCACTT	TCAGATCTCA	GTACAGAGCT	AGGAACACAA	ACATATGCAC
6001	CTGCTTCCTT	TATGTTTATA	TTTATTTATA	TATTTACATA	TGTTTTGAAA
6051	TCCATGAGTT	TATTAATCTG	ATACCTCTAA	TACCAGAAGA	TTCAGCCTGG
6101	TGTTCTCCCT	TTCCATCTTT	GTGGTTTCTT	TCTCTGATAG	TAAGAGTCTG
6151	GGCTCTTCCC	ATCCTCATTG	CGTTGACTTA	GTTGATTGAT	TTCCCTGTAT
6201	GGTATGAATC	ACCAGTCACC	ATCACTATGT	CTCTCCCTTC	CCTTCTCACC
6251	TAACATCATGC	TCTGACATCC	TTTGTTGATT	GGCCCTGCCT	CATGGCTTGG
6301	GATTTAATGG	TCCAGGATGG	GAAGGGGAGA	GAGCTTTCCC	AGGCTGGTAG
6351	TGTGTGTTAT	GTAATCTGAG	GTATCATTTT	TCTTCTGATA	CTTCACCTCT
6401	TTCTCTTGCT	TTTATTGACT	TCATTCTCTG	AGAGTCTCTG	CCCTCAATTA
6451	CTTCTCAGTT	TCCTCAAAAT	ACAATTAATA	AAAAATTAAC	AACAAAAGAC
6501	ATCACATGTA	TTTCTTTTTA	AAAATAAAAT	TTGTTTATCA	CAGGAAATGT
6551	AGACACTTGG	GTTGGAGGGC	AGAAGTCACC	TGTGATCCCA	CTACTCAGCA
6601	AGAGCTGCAG	CAAGCCTTCA	TCATTTATGA	TCAGCTAGAT	TACATCTTAA
6651	CTTTTTACCT	CATCTTTACA	AGTTTCCCTT	ATTTAAATG	TATGAACCTT
6701	CAGCTGTTTT	AATAAGAGGG	TCCATATTTA	AAGTTCTGAT	ATTGCAAAAG
6751	CATTGTTTAT	TGCTCTTGTT	TACTTACTTG	CCTTGGTATT	CTCTCTGGAG
6801	TAGGACTCTT	CATTTCTCTG	CAGCCATGTT	CCTACTCGCG	TTATCTTAGA
6851	TCTCCAAGAG	GATTATGGCA	TTATTGACTG	ATTCCTGAGC	CTTGTTTCAA
6901	AACCTGGCTG	TGTTGCTTTG	TAGCTCCGTC	TTCTTGGACA	AATTCCTTTC
6951	TCTTTAGGCT	TTGGTTTTTC	ATCTATGATA	TGATAATTTA	TATTATATTA
7001	ATGTTAATAC	CTAAGATTTT	TATGAGGATT	TAAATGAAAT	ATATGAAGTT
7051	CATGACACAG	TATCTGATAC	GAGGCTCATA	AGAAATATGA	GTTTCACTCT
7101	TCTTCTGTCT	GTTCTATCAT	TCTTCTTTCA	TTGTGTTCTC	ATCTGTACTT
7151	CATGCTGTCT	ATACCCATCA	GTGCTGGCTC	CCTTAACTCC	CTGACCGTGT
7201	CTCATGTTGG	GTGTGTTTCC	TTAACTCTG	GAGAGAGAGC	TGTCAGCACT
7251	GCCTATCTTT	TTACATATAC	ACCTCTGGTC	TGTTGTCTGG	GCACAAGCTG
7301	TAGCAGTAGG	CTGTGCAGTT	TATTCAGATT	CTGCTTCCAA	GCCCTGGGGA
7351	TTACCAAGAT	CAGGGGCAGG	GTCAGCCTGT	AAACAAACAC	TGTCGGGAGG
7401	CCTTGTGTCA	TACATGCTTG	TTTCATGAGT	TTGAGCAAAA	AAAACCTGTG
7451	TCACAGCCAA	ACCTCCTTTT	GTGGGAAGAT	TTGTGTTTCA	TGTGGGGTTT
7501	TCAGAGGCAG	TAGGGGGTGC	CTGGTAAACA	TTCTAGGCT	GCACTGTAAA
7551	CCCCTGAATT	GGAATCCTTG	AGAGTGGGAC	TTAGGAATCC	AAATATTTAA
7601	CAAATTCATC	AGTGATTTT	CTGCACATTG	AACACTAAAA	TCTGCTCCAT
7651	TCTAAGGTCT	GCATGTATCA	TCCTTCTAAA	ACTCCAAGGA	TATAACCACA
7701	TGAAGGCACC	CTTCATACTA	TACGTGCAAT	ATAAGCGGAA	TCATTGCTTT
7751	GAACACCTT	ATGTTCTTAA	CTTTTTCCAG	AACCCTCGGT	GTATACCTGC
7801	TACAAGGACA	TACTAAATGG	TGACTGTAGG	AACATTGCCT	TGCAATATCA
7851	GGCTGCCTGT	AGTAGCTGTC	CTCAGACATG	AGTTTTGTTG	CTCTCTTAAA
7901	TCATTCTTAG	ATAAGTTGGC	ACCTTTGTAC	AGTTTTCATC	TCTTGAATTA
7951	TTTCTGGAGA	CATCAACAGC	TGTGGTCTGA	CTTGGTATGA	AAACATGTCA
8001	TTTCTTTAGA	AATGCATTTA	TTCGACCTCT	AATCAGACCC	TTTCTTTTAT
8051	TACCCACGGT	ATTGTCCCCC	GCATCCCCAA	CTTATCATAG	TGTGGAATTG
8101	TACATTTATT	TCTGTGTTCA	TGTATCTCCC	CCTCTCTAGT	CTGAAAGGTT
8151	CCCTTTGGTC	AAGGCCCTGT	AGTTTGTTAA	CTCCACTGCA	TTTGAACCAT
8201	CCATAATGCA	GTACGTATTT	TGTTTGGATA	AAGGCATTTT	CTCTAGTGTT
8251	GGGTTGCAAG	TACGGGATAG	GCAGAGTGCT	GATGTTGAGG	TGGATCTGGG
8301	GAAGGCATGT	CGGCATGAGC	AGGCTGGCAT	GCTGACTGGC	AGATCAGAAT
8351	ATAGGGCCCT	TGTTTCTGCC	TCACGTTTTT	TTAAAATCAT	CCATAGTTCT

FIGURE 3C

8401	CCGGAATACT	TAACTGTCA	CACACATTTG	AGTGACATAT	ATTTCTTACC
8451	TGTAAAAACT	TAGGGACATT	ATTTTCTTCA	AAATAGAGCA	TAAAAATATTA
8501	TAAGTATACA	CACTAGAAGC	ATGTCAGATG	AGTTTCTTCC	TATACACAAA
8551	TTGCCTTTAC	CCATGTGTGT	CTATTTTCCA	TCTGTGAAAA	CGGTAGACTG
8601	GTTGAATTTT	AATAACTCAC	AAAATTTACT	GTTGGTGGCT	ATTTGCTGTC
8651	ATTGGCATCC	CTCCTCCCTT	TCTCCTTCCC	TCCCTGCCCC	CCAACCTCC
8701	GAGTCTATGA	CTTTGATTTA	TTTTATTTTA	TTTTTTATGA	GATGGAGTTT
8751	CACTCTTGTC	ACCCAGGCTG	GAGTGCAATG	CTGCAATCTC	CACTCACTGC
8801	CTCTACCTCC	CGGGTACAAA	CAATTCTCCT	GCCTCAGCCT	CCCAGTAGC
8851	TTGGATTACA	GGCATGCACC	ACCATGCCCA	GCTGATTTTT	GTATTTTTAG
8901	TAGAGATGAG	GTTTCACCAT	GTTGGCCATG	CTGGTCTCGA	ACTCCTGACC
8951	TCAAGTGATC	CGCCTGTCTC	AGCCTCCCAA	AGTGCAGGGA	TTACAGGTGT
9001	GAGCCACTGT	GCCCAATCTG	TGTTGTTTTT	TAAGGAAAAA	AAAGCAAAGA
9051	ACCTTAAAGC	TGCTTTAGAA	TTGATATTTG	TACAGTAAAA	AGAATAACAA
9101	ACAAAAGAAA	TATTTGTACA	GCCAAGTAAT	GTTGGCTGTG	TTACATCAGA
9151	GGTTCTTCGC	TGGGTGCGGT	TTTGACCCCT	GGGAGTCCAT	TTGTGAATGT
9201	TTGGAGACAT	TTGCTTGCCG	TGACGGGCTG	CTACTGGCAT	CTCTTGGGCA
9251	GAGCCAGGGA	TGCTGCTAAA	GGTTCCACAG	CGCACAGGAC	AGTTACCCAT
9301	AACAGAAATT	ACTCAGCTCC	TAATGTCAGC	AGTGCCGAGA	TGGAAAATCT
9351	CTGCCATAGA	AATGCCTGTT	TTTGTCTATT	AAAATGGTGT	TGTGTGGCTG
9401	AAGTATTTTA	TAGACGTGTG	GTCTTTACTT	TCTGTTCTTT	TTGATAGAAA
9451	GATAACCTTT	CTTTATTAC	AGTTCTTTTA	CTTAAAAATCA	TTAATGCTGC
9501	ACAGATACTT	AATTCACTAT	GCTTTTCATT	TATTAGTTGG	CTTAATTTGG
9551	CTTAATTCAA	GCCTTAAAAA	GAAACCCTGC	CTATCTATGT	GAACAAAGCA
9601	ATAGATGCTC	TTGAACCTAT	TACATAAGGC	CTCATTACAT	TTCTTTTATG
9651	GAGACCAAGG	AGATTCTGAC	TCCTGATCTG	TTGGTGCTTT	AAATTGACAA
9701	GGATATTTAT	GATACAAGCT	TAAATAGCA	TGACAGGTGA	GTTTCATGTT
9751	TATTCATTGA	GGCTTGATGA	TGTGCAAAAC	GTTGTACTTT	ACTACAGGGC
9801	ACATAGAGGT	AAATGAGAAA	CAGCCCTACT	TTCTAGATTA	TGGCCTCTTA
9851	GACTTTGCCA	CTAGAATGCC	AGTACTTAA	GGGCAGAGCC	TTGACCTGTC
9901	TAGCTTCCCT	GGCACCCAG	TAGAACAATC	TGTGGCCTGC	TGAATAGTGA
9951	CTGAATGAAT	AGACTGCTCA	AAATCTTTT	TTTTCATCTA	AGTGTGGTTC
10001	GTTAATAATA	AGTGAGAAAA	GGGAAGATAT	GTGAGGGCTA	AAAGGAAGAA
10051	TGTTATATTT	GAATAGAGGA	CTCAGAAAAG	ATGTTATAAA	AAACTGAAAG
10101	GGACTTTGTC	AGTAAAGAAT	ATTTGGATGA	TGTTGAGAGT	ATGGGGCACT
10151	ACTCAGACTA	AATCCTGGAG	GCAGAACAAAG	GTGTAAGAAG	CCCTAACTGC
10201	TTGTGTTTTT	CTAACAAATG	GGGAAACTAA	AAATTGATGG	TAGAAGATTA
10251	GGTTTAAAAG	CAGTTTGGGA	GCATCATGTA	GAGGATAGAG	ATGAGTGTGA
10301	GAAATTTGTG	GTGAAGTAAC	TTTAAAGCAT	CACTTCAAAA	TATTACCAAA
10351	AATCCCCACA	GAAAACCGAA	AGAAAGCAGA	GTAGAAACAG	AATCCTGGTG
10401	TTATAATCTC	TCCTCTTTTT	ACAAAACATA	TTTAGCAGGC	CGGGCATGGT
10451	GGCCCACGCC	TGTAATCCCA	GCACTTTGGG	AGGCCGAGGT	GGGCAGATCA
10501	CGAGGTCAGG	AGATTGAGGC	CATCCTGGCC	AACATATCGA	AGCCCTGTCT
10551	CTACTAAAGA	TACAAAAAAT	TAGCCGGGCA	CGGTGGCACG	CGCCTGTAGT
10601	CCCAGCTCCT	CGGGAGGCGG	AGGCAGGAGA	ATCACTTCAA	CGTGGGAGGC
10651	GGAGGTTGCA	ATGAGTTGAG	ATTGCGCCAC	TGCACTCCAG	CCTGGGCGAT
10701	AGAACGAGAC	TCTGTCTCAA	AAAAATAAAA	ACAAAAAATA	AAAATATATT
10751	TAGCAAAAGA	GCAGTGCCAA	AATGTCAGCA	GTATGTGGTA	GGCCTGAGGT
10801	GTTTTTTTGA	AATATACTTT	TATCTTGTTG	CTGCAGCACC	ATTTATCGAG
10851	AAAGACTTGT	TCCCCACCT	ATTGAGTTGC	TTGCCTTTGT	CCATCAGTAG
10901	ACAGAATGTA	TGGGGGTTTG	TTTGTGGACT	CCATCTGCTC	CATCCCTCTT
10951	TTGGTCAATG	CTTGCTCTAA	AGGTCTGGTT	ACTATAGCTT	TGTATAGCAT
11001	GCCTTGAATG	GGTAGTGTCA	GTCTTCCAGC	TTTGTGCTTC	TCTTCCAGGA
11051	TTGTTTTGAC	CTGTCTCGAT	CCTTTGCATT	TTGTATAAAT	TCAGAGTCAG
11101	CTTATACATA	TAAATTTTAG	ATACGCCTTA	ATAATATTGA	ATCTTCCAAC
11151	CCATTAACAT	GGTATTGTGT	CCGTTTATTT	AGGTCTTTAT	TGTTCTCAGA

FIGURE 3D

11201	AATGTTTTGT	AGTTTTTGGT	GTGGTTTTGA	TGGGTTATAG	AAATGTAAC
11251	GATTCTTATG	CACCAACCAC	GTGGCCTGTA	ACTATGCTGT	TTGCTTATTT
11301	ATTAGTGTTT	GTGCATGTGT	AAATTTCTCT	AGGTTTTCTC	TACACACAAT
11351	CATTTTCATCA	TTTCAGGGCA	AATGGAGGTT	TTTCTTCTTC	CTTATGATTC
11401	TTTATAAATT	ATTATTCTTT	TTTGCCTCAT	TCTTTTATGC	ATGAGGTTGA
11451	ATAGAAGTGG	TAAGAATAGA	CATCTCCCTT	GTCTTGTTTC	TAATCTTACA
11501	GTGAATATGT	AGTTTTTTTT	TAGATACCTT	TATCAGGTTG	AGATGGATCA
11551	TATATTTAAA	TATAAAGTTA	AAACTGTAAA	GTTTCTAGCA	AAAAGTAAGA
11601	GAATATCTTC	ACAACCTTGG	GAGTAGGGAA	GGATTTATTA	GAGAGCATAT
11651	AAGAAACATT	AACATAAAAA	TAAAAAATTA	ATTAGACTTA	ATCAAAATTA
11701	AAAACGTGTC	CTGATTAAAA	GACATTTTTA	AAAATGAAAA	GACCAGCTTC
11751	AGACTGGGAG	AAGCTCTTTG	CAATACATTT	ACCTGACAAA	GAATGTGACT
11801	GGGAGGGAAC	TTCAAGTGTG	AGATTTTGGA	AAAATGTTCT	GTATATTGAT
11851	TAGAGTATAT	GTATTTGTCA	AAAAGCAGGG	AATCGTACAC	ATAAAACCTT
11901	TGACTTTCAT	TGCATGTAAA	TATCTGAATT	TTAAAAACA	TTGATAGTAG
11951	CTAGTTACAT	CTGGATTGTA	GGGTTTTGGT	TTTTGTCTTC	TTTACCTCTT
12001	TGTATTGGTT	TTCTTTGTTT	TCTGCATTGA	GCATATATTT	CTTTGTAAAT
12051	ACAGAAGAAT	ATGTGCTTTT	ACTGCTGAAA	GAAATCATAG	ACGACACAAA
12101	CAAATGGAAA	CACATCCCAT	GCTCATAGGT	GGGTAGAATC	AGTATTGCGA
12151	AAATGACCAT	ACTGCCGAAA	GCACTCTACA	AATTCGGTGC	AATTCCCATC
12201	AAAGTACTAC	CGTCATTCTT	CACAGAACTA	GAAAAAACCA	TCCTAAAATT
12251	CACATGGAAC	CGAAAAAGAG	TCTGCATAGT	CAAAGCAAGA	CTAAGCAAAA
12301	AGAGAAAATT	TGAAGGCATC	ACATTACCTG	ATTTCAAAC	GTACTGTAAG
12351	AGCACAGTCA	CCAAAACAGC	ATGGTACTGG	TATAAAAATA	GGCACATAGA
12401	CCAGTGGAAC	AGAATAGAGA	ACTGAGAAAT	AAACCCAAAT	ACTTACAGCC
12451	AACTGATCTT	TGACAAAGCA	AACAAAAAAG	GGAACAGACA	CCCTATTCAA
12501	CAAATGGTGC	TGGGAAAAC	GGCAAGCCAT	CTGTAAGAGA	ATGAAACTGG
12551	ATCCTCATTT	CATACCTTAA	ACAAAAATCA	ACTCAAGATG	GATCAAGGAC
12601	TTAAATCTAA	GACCTGAAAC	TATAAACATT	ATTAGGAAGG	TAACATCGGA
12651	AAAATCCTTC	TAGACATTGG	CTTAGGCAAG	GATTTTCATGA	TCAAGAACCT
12701	AAATGCAAA	GTGATCAAAA	CAAAGTTAAA	TACCTGGAAC	TTAATTAAC
12751	TAAAGAGCTT	TTACACAGCA	AAAGGAAGAG	TCAGCAGAGT	AAACAGACAA
12801	CCGAAAGCGT	AGGAGAAAAT	CTTCACAATC	TATACATCCG	ACAAGACTA
12851	ATATCCAGAA	ACTACAATGA	ACTCAAATTA	GCAAGGAAAA	AAAAATCCCA
12901	TGAAAAAGTG	GGCTAAGGAC	ATGAATAGAC	AGTTCTCCAA	AGAAGATATA
12951	CAGATGGCCA	ATAGACTATG	AAAAAATGCT	CAACATCACT	AATGATCAGG
13001	GAAATGCAAA	TCAAAATCAC	AATGCAATAC	CACTTTACTC	CTGCAAGAAT
13051	GTCCATAATC	AAAAAATCAA	AAAATAATAG	ATGTTAGCAT	GGATGCAGTG
13101	AAAAGGGAAC	ACTTCTACAC	TGCTGGTGGG	AATGTACAGT	AGTACAGCCA
13151	CTATGGAAC	CAGTGTGGAG	ATTCCGTAAA	GAACTAAAAG	TAGAACTACC
13201	ATTGATCCAG	CAATCCCCT	AACTGAGTAT	CTACCTAGAG	GAAAAATAAGT
13251	CGTTATATAA	AAAAGTTACT	TGCTCATGCA	TGTTTATAGC	AGCACAAATC
13301	ACAATTGCAA	AAATGTGGAA	CCAACCCAAA	TGTCCCTCAA	TAAATGAGTG
13351	GATAAAGAAA	CTGTGGTGTG	TGTGGAGTAC	TTCTCAACCA	TAAAAAGTAA
13401	TGAATTTTGG	AGCAACCTGG	ATAGGATTGG	AGACTCTATT	ATTCTAATTG
13451	AAGTAACTCA	GGAATGGAAG	ACCAGACATC	CTATGTTCTC	TCACTCATAA
13501	GTGGGAGCTA	AGCTATGAGG	ATGCAAAGGC	ATAAGAATGA	CACTGTAGAC
13551	TTTGGGGACT	CAGGGGGAAA	GGGTAGGAAA	GGGATGAGGG	ACAAAAGACT
13601	ACAGACTGGG	TTCAAGTGTAT	ACTCTATCGG	TGATGGGTGC	ACCAAAATCT
13651	CACAAATCAC	CACTAAAGAA	CTTACTCATG	TAACCAAACA	CCACCTGTTC
13701	CCCCAAAAC	TATGGAAATT	AAAAAATAAA	AAAAAAGCAG	AAGCAGAAGT
13751	GGAGCTTTTA	AAAGGAATAA	GTGGACCAGG	CATGGTGGCT	TACACCTGTA
13801	ATCCTAGCAC	TCTGGGAGGC	CAAGGCAGAA	GATCATTTGA	GCTCAGGAGT
13851	TCAAGACAGC	CTGGGCAACA	TATTAAGACT	TTGTCTCTAT	TTAAAAAATA
13901	AAAAGTTTTT	TTTGTTTTTT	TTTACAAAAG	GATAAAAAAG	ACCAGTGTAG
13951	GTTTTAAAGA	GGAAGTGCT	ATAATTAAGG	AAGCTTAATT	TGAAATCTTA

FIGURE 3E

14001	GTTGATTGAC	ATTAAAGAGA	GAGAAGATAC	AAGGAGAAGA	CAAAAGCAAA
14051	CAATGTTATG	GAGGTACCGT	CTTTATTATT	CAACAATCTG	TTGAGTATGG
14101	AGGGCAGTGA	CCAGAAAACC	CCACACACTT	CTAAGTCCTG	GAATAATCAG
14151	AAGAATAGTA	CCTTCTGGGC	ATCATTTATT	TTAGTGTACT	CTGAATTATG
14201	AAACTGCTTT	TCTTCCCCTT	CCCCATAGAG	ATAGAGTGTC	TCATTCTATT
14251	GCGTAGGCTG	GAAGGCAGTG	GTGTGATCAC	AGCTCACTAC	TACTACAACC
14301	TCCCAGGCTC	AAGCTATCCT	CCTGAGTAGC	TGGGACTACA	GGTCTGCATC
14351	ACCATGCCTG	GCTGATGTTT	AAATTTTTTT	GTAGAGACAG	GATTTCGCTAT
14401	GTTACCCAGG	CTGTTCTTGA	ACTCCTGAGC	TCAAGGAATC	TCCTCCTGTT
14451	TCTGCCTCCC	AAAGTGCTAG	GATTGTGGGC	ATGAGTCACC	ATGCCTGGCG
14501	GATTTTAAAA	ATGTTGATAG	AGACGGGGTC	TCCCTATGTG	TCTCAGGGTG
14551	GTTGTCATTT	CTTTTTTGCA	TTGGATATCG	TTTGGCTATG	AAAAAGCTCT
14601	GAGCCAAATG	TGCAGCCCAC	CTCTAACAAG	TGAACAGTAA	TTTATAGCAT
14651	GCATTCTGTA	TCCTAACTTC	ACTGTAGCAT	TATTCTGTTT	TACTTTTTCT
14701	GGGCTATTTT	TTCTGTGCCC	CAATTTCTTT	CTAATTTTGT	ATCTTATATT
14751	GTGGTTTTAT	AAGCTGCCTC	AATTCCTTAT	AGAAAAAAT	AGTGTAAACAT
14801	ATATTAAAC	ATCACATCAT	ACCCCATACA	TACAATTATG	GCTTACTAAT
14851	TAAAAATAGC	TTTTTAAACA	AGGTGAAATA	ATGTTGGCAT	TATTAGTAGA
14901	AACAGTGAAG	TCGCAGTTGG	ATTGGGGAAG	ATGTTGATGA	GTTTGACTGT
14951	TGATGGAAT	ATCAAGAAGG	TGGTTAGAAA	TATGAATCGG	AGAATCAGAA
15001	GTATCAGCAA	GCAGGTGGTT	TAGTAAAGAA	TTTAACCTTG	CCTAAAGAGA
15051	TATCTAGCCT	TTGTCTTGG	AGCCTTCCAA	GGGCATAGAG	ATCTGGGTGC
15101	CTTGGGCCAC	ACCTGATAGT	CTAACAGTGT	GGCACATTAT	TGAACGTGAG
15151	GATGGTCTTT	GGGACCCCCA	AACTCTGTGA	TTCATGTCAG	AAGGGAAGGC
15201	AGTTGGTGGA	CTGTTCCCAA	ACCTTACACA	GATATTATAG	ATTTGATAGG
15251	TAAACAGAT	CATATAATGG	TAAGTGGTTT	AAAAAAACAA	ACAAAAAAG
15301	GATGCAGAGA	GGCTGTTCAA	TGACAAGCCT	TTGAGAAATT	TAATGGAATG
15351	CAAGAGGAAA	AGGAACACGT	ACAAGAAACA	GACATAGCAG	TCAAGGAGGT
15401	AGGAGAGCAA	CCAAGATATG	TGTTCATTTT	GACCTAGAGT	GGACTGAGAT
15451	GGCAGCCGTG	GTGTTATTCT	GAATGACACA	TTCTGAACA	CATTCAGTTG
15501	TGTAACCCAA	AGTTTATATT	GTTTGAATAT	AGATGGGCAG	TCATACTTGC
15551	AGTCATTCCA	GATGTCAGTG	GCTCTTGTC	TCACTTGTC	GCCCCTGCAT
15601	AATCTGCCCT	TTTGGATCTG	GAAGTCGCCA	GAGGGAGCGC	AGGATCCAGA
15651	CCGGAGTCCC	CATGTGTGAT	CTGTTGTGAT	CCTCCTTCCT	GCTCCTGGCC
15701	TGCTCCTGCT	GGTGCTGCCA	TTACCCACTA	AGAGAATGCT	GTGGCGTTCT
15751	GCCACAAGGC	TGTCCCCACT	GTACTCAGTG	CCAGAGCACA	GTTGTGTGGC
15801	ATGGCAGTGG	TGAGAGACCA	GTTTCATATG	CTGCAACAGC	CCCATGCCAT
15851	CACGCCACAG	CGTGCCCAAC	ACCCCTATAG	CCAGTGGCCT	CACCCACTGG
15901	TCCCTGGAGT	CCAGTTTAAT	TTTTTAAAAA	TTTGTAAAAA	GAGTTATAAA
15951	AGAACTTCTA	GTCAAAAAGA	CCAAAGCCCA	TGCCATCATC	ACACTCCTCA
16001	GATTCTTCTT	TGTTTTTCCT	TTTCTTTATC	TTTTTCTTTT	CGGAGACCGA
16051	GTCTGGCTCT	GTCACCCAGT	CACTGCAACC	TCCGCCTCCC	AGGTTCAAGT
16101	GATTCTTGTG	CCTCAGCCTC	CTGAGCAGCT	GGGATTACAG	GCATCCGCCA
16151	GCCCACCCAT	CTAATTTTTG	TATTTTTGGT	GGAGACTGTG	CTTTGCCATT
16201	TTGGCCAGGC	TGGTCTAGAA	ATCCTGGCTT	CAAGTGATCT	GCCCACCTCA
16251	GCCTCCCAAA	GTGCTGGGAT	TACAGGTGTG	AGCCACTGCA	TCCGGCCGAG
16301	ATTCTTTTTT	CTTTGCTTAC	ACTTCCTTCT	CCTCAGCTGG	AGCAGCTGCT
16351	CTGGACAGGG	CAGGACCTAC	TGTTGATGCA	GCAGCAGCTG	CTGGAGCAGG
16401	TCCACCAACC	CCTACATTAG	GATGAGTCTC	TCGATGTCAC	CATAGGCCAG
16451	GGCCTTTGCC	AACAAACCAG	GCCGAAAAGG	TTCAACATTT	ACACCACCTA
16501	CTTTAATTAG	GGCCTTGATT	TATCCTCTGT	GACGGTCACC	TCGTTCATAG
16551	TGAAGAATGA	GGGTGGAGTA	GATGCAGGCG	AATTCAGGGG	CTGTGGTGCG
16601	GGCGAGTGGC	GGGGCTGGTG	CTGCTGTTGG	ATGCAGTGCA	AGTTGCTGGA
16651	TGAAGTGAGG	GCCTCTCCCC	AGTGTGACTG	TAGCTTTCCC	AGAAGTACTG
16701	AGCCCCTTGG	CAGCAGCTGA	GGAAAGGGCT	GGAGTCTGGG	TTTAGAAAAGT
16751	GTCGACAATT	AACATGGTGG	CTTCTTCTTA	GCTCATTCTC	TGTCCCTTCC

FIGURE 3F

16801	TCCCTCCACC	CCCTTTAGGC	TCACTGTAGC	ATAAGGGTTT	TTTTCTTTT
16851	ATGCTCCCAG	CTAAAAGCTG	GAACACTCTT	GCAAGTCTTT	TTGTTAGTTG
16901	GGGCTATCCA	CCAATTCTCT	TTAAGGGCCC	AGGCATGTTT	GATTCTTATT
16951	TGGGATCTAA	GGTAGTATTC	TAAAAACATT	TACAAACAGA	ACCTGTTACG
17001	AGTAATATCT	TTTCTCTTTT	ATTTCCCAT	TGGTGCTAAT	TTAAAAATGG
17051	ACTGTATTCT	TAGAGTTCTT	TATTCAGATT	TCACTCCTTA	ACATTGATGT
17101	TCTGGATTCA	GTAAGAATTGT	TAAAATTTT	TCCTCTTTGT	TTTGGATCCT
17151	GTTTTAACCT	GGAATTGAA	AGAGTGAAAT	GAAAGTAATGG	AGTTCCAGAT
17201	TTTGTTGGGG	ATTTTTTGTG	TGGTTTATGT	TGACTAGGAA	GCAGTAATTG
17251	AAAACATGCT	ATTTTTTCCC	TCATACATTT	TAAAAAATTG	AGATATAATT
17301	TGCAAACATA	ACATTCTCTG	CTTTAAAGGG	TACAATTGTG	TGGTTTTTCAG
17351	TATATTCACA	TAATTTTGCA	ACTCACCCT	TTAAAATTCC	AGAACATTTT
17401	CATCATTCTC	CAGAAGAAAT	GACTGTCCAT	TGACAGCCAG	TCCCTATTCT
17451	CCTCCCCTCT	ACAACCCTTA	GCAATCACTA	AGCTACTTTT	TGTCTCTATT
17501	CTGGACATTT	TCATATAAAC	AAACACAATA	CATCACTTTT	TGTGTTTGGC
17551	TTCTTTTACT	TATAATGTTT	TAAAGATTCA	TTCTTGTTAT	ACCATGTATT
17601	TTATTCATTC	ATTTTCATGAT	TAATATTTCA	TTTTCTGGAT	GTATCACAGC
17651	AGTTCATATA	CATTTGGGTT	GTTATCACTT	TTGGCTATTG	AGAATATGCT
17701	GCTGTGAACA	TTTGTATATG	AGTTAAAGTG	TACATTTGTT	TTCATTTCTT
17751	TGGTATGTAT	CTAGGAGTGG	AAGTGCTGGG	TCATATGGTA	ATCACTTAAG
17801	GAGCTGTGAG	ATTATTTCCC	CAGATGGCTG	TGTCAGTGA	TATTTCCACC
17851	AGCAATCCTA	TCTTGTTTAT	AATTTACTCA	CTTTGTCCC	TTTTATGTTT
17901	ATTTTTCTTG	TGACTTACTT	GCTTCTGTAA	TTCTATTATA	ATGAATGAGT
17951	TTTACCTATT	TTTTTAAAAA	ACCTTTGATT	GATCCTGTCA	ATGGCCTCTT
18001	CAGCTCTGCT	TACTACACCA	CGCATATTCA	CCATGAGACT	TTAAACCTGA
18051	ACGTCTGGTC	AGACACCCAC	ACCAAATCC	TTCCCTTGGA	CAATAGTAAT
18101	TTTGCCTGTG	TTGGTAACAC	ACTGAGATGG	TGGTGGTCTT	TCCAAGGCTA
18151	TATGGTCTGA	GGTATAAAAA	AAGAGTTTTT	AAGACGGAAG	GATTTAATAA
18201	TAGCATTTAG	TTTAAGCTAA	ATTTCAGTTT	CAGGAAGGTA	AAAGCTGACA
18251	GGAACAGTGA	ACTACCTGTG	GGGAATTCTC	TAGAGACTCA	TGTGTGGGGC
18301	CAGTGATGAG	TCAGGCAGAT	GTCAAGGTGA	GGATATATTA	GCAAAGCATA
18351	GCAGATTATT	CGGTGAAATT	TAGCAATGAA	ATGATTGTAG	CTTCTAGGGA
18401	GTGGGGTCAG	ATTTGTGCAA	GAAAAAGCAT	TTATTTTAGT	GTGACATATC
18451	TGGGCATATT	TCTAGGCAGA	AGAGATAAGG	TTTGAGTAGA	GTTGAAAGGC
18501	CAGCAACAAA	GGAATTAAAT	GAGTGATTTT	TGGAGCTAGT	TGATCAGTCT
18551	TTTAAAGATT	GAAGGCACAT	CTTACCTGCA	GAACCGAGGA	GGAGGTTTTG
18601	CATAGCTGTT	GTGGTGAGCA	GAATAAAGAC	CGTTGTGATT	ATTGTTGTAT
18651	AATAAATTAT	CCTCAAACCT	AGCCTTAAAC	CCCTTTTAA	TTTTGTTTAT
18701	GATTTTATGT	ATCAAGAATT	TAGAAAAGAC	AAAGCTGGGA	TGGCTTGCCC
18751	ATTGCTTCAC	GGTATCTGGG	GCCTCAACTG	AGACATCTCA	AGGGCTTGAT
18801	GTGGCTTCAT	GGCTGGGGAC	TAGAATTAAC	TGAAAGCTTA	CATCTGGCCC
18851	CTGGGCTAGA	AAGATAAACA	ACTAGGACAG	CCTTATGGAG	CACCTATCCA
18901	TGCCCTTTGC	ATATGGCTTG	GCTTTCTCAG	AGCATGGTGG	CCTCAGAGCA
18951	GTCACTATTC	CTACCTGGCA	ACTTAGAGTT	CCCAAAGGTA	ACACACACCT
19001	TCCAGAGTGG	AAGCTGTGTT	CCTTTTATGA	CCTAGCCTCA	AAAGTCACAC
19051	AGTCTCATCC	ACTATATTCT	TTTTGGTTAG	AAGCACATCA	GACGCTCATT
19101	CAGTTTCATG	ATTAGAGTCC	ATTTCTTGAT	AGTAGAACAT	CAGAGTAGAA
19151	GGGATAGTAG	AAGAGCAGGT	AGTTGGGGAG	ATACTGTTTC	GGCCTTTGTT
19201	GAAGAACACA	GTCCGTCAGA	ATACAGCAAC	AAGAAATCAA	TAAAGCAGCC
19251	ATAGAGAATG	AAATGATTTT	CTTTGCAGCA	ACATGGATGA	AGCTGGAGGC
19301	CATTATTTTA	AGTGAAAAAA	CTTAGAAACT	GAAAATCAGC	TACTGCATGT
19351	TCTTTCTTGT	AAGTGGGAAC	TAAACAATGG	GCACACATGG	ACTTAAAGAT
19401	GGAAACAATA	GACACTGAGG	ACTCCAAAAG	GGGCAAAGTT	GGGAGGGTGG
19451	TGTGGCTTGA	TAATTACCTA	TTGGGTATAA	TGGTCACTAT	TTGGTTGATG
19501	GGTATACCGG	AAGCCCCAAC	CCCACCATTG	TGTAATATAT	ACACATAACA
19551	AACCTGCACA	TGTACTCCCT	GAATCTAAAA	TAAAATTTAA	AAAGTAAAAA

FIGURE 3G

19601	CCTATAAGCA	AGGGCATTCT	TCCTACTGTC	AAATGATACA	ACATTCATAG
19651	AAATAGAGAT	TTGTGTAGTT	TGAAAATACC	TTATATAAAT	CAAGATGAAA
19701	CCTTTATTTT	GCAGACATTA	AACCTAAAGT	TGACTGATAA	AGACATATTC
19751	GTCCCATAGC	CCAGAACATT	CTAGGGGAAT	AAAATCTATA	AAAAGATGCA
19801	GACTTCCAAA	TATATGTAGT	TATAGTTATG	TAGGTACAGT	AAACTAACCC
19851	CCTTTTTTAG	GACATGTATT	TATCTAATTC	TCTTTTTGTC	TGGCATGGAT
19901	TATAAGCCTT	CTAAGCCTAG	AGTCTACTAA	GTATGTCTAA	ATTGCTATGT
19951	TGGGTGCCTA	ACAAAGGAGT	ATGTACAAGT	TGGTGCATGA	GTTAGACTTT
20001	TTGATGGTGA	TTAAACTGGA	AAGCATGAAT	TATTCTTGGA	TTATAAAACT
20051	AGGTGGGGCT	TTCGAGTGAG	GCTCAAAAAT	CAGTTTTGTT	TTCCACATAG
20101	AGACCTTTTA	CTTATTCTTT	TTGTAGTCAG	TTTGTCTCTA	AGACCTTTTT
20151	TCTCTTTCTC	ATTTTTTAGA	ATAATTAAGA	ATTTCAATAG	AGTAGTTTAG
20201	AATTTAGATT	ATTTACAGTG	TATTATTATT	ATTATTTTTT	GACAAGAGAA
20251	CGTAACATAC	ACCTGGGAAC	ATGTCTTCAG	TTATGAGTCA	GACATGGATA
20301	TGTGCTATAA	TATATACCCT	TGCACTCCAT	GAACAGCAGG	AGCCTGAAAT
20351	AGGTCCTAAC	CTTTGGAAGG	AACTTAATTT	TTTAGTTATA	TTTTGAGGTT
20401	GGAATGTGGA	TAATGAGGGC	TTTTAGTTTT	AAACAGCCAG	AGAGCTGTTT
20451	TCTGAGTTAT	TTTAATTGTT	AAATTTTTTT	AGTTACTAAG	AATTTTTTCT
20501	TTTAGATATA	AATCTTATTT	CTTTTTCTCT	TTTTTTAATT	TTTTCTTTTA
20551	AAAGAAATCT	CATGTCTTAA	GTGGATTCTG	ATTTCTGAAT	TCTACTTTGA
20601	CTCAGCTAAG	ACTTTCTCAT	TCTAAGATCA	GTTATGTTTC	TTCAGTTCAT
20651	AATTC AATAT	ATTATACATT	TATTTATCTG	AAACATAATT	AAGAACCAGAG
20701	AAATGAGCCC	AAAGTTTTTG	AACAGATACA	AACAATGTCC	AAGTTCACGT
20751	ACTAAAGTTC	ATGTA CTCAA	GCTCATGTTC	TTTATTCTGG	AGGAAAAGTCC
20801	TTTTAATGAT	CTCATAGAAT	GTCTACTCCT	CCTTTGCCCA	TGAAACAAGG
20851	AGAAGGTTAA	GAATAAGAAG	GAATTAGAAA	TAATATATAA	AAACTATCAT
20901	AAAGTCCCAA	TAAACATTGC	AGCCTAGATA	AAGTGGTAAA	ATTCTTAGAT
20951	GGAAAGACCA	CATGACTTAT	TAGGGGATAA	CCAGATTGTT	ATTAAGTATT
21001	TTTGCAGCAA	AATGTTAGGC	CAGAAGACAC	TAGAGAAGTA	CATTTAACAT
21051	ACTCAAGGAA	AGAAAATGTC	AGTCAAATAT	TTTACATCCA	GCCAAACTGA
21101	CCTTCATTAT	ACAAATCTCA	TACAAACTGT	TATATACATT	TAAGCACTGA
21151	GGGAATATTG	TTCTTTTGAA	CACTGAAGTT	AAAAGCTTCT	AGCAACCTAA
21201	ATCAAGGAAG	AGGCCTGTAT	AGACATACAG	ACTGCTTTCA	TTAAAATACA
21251	AAGTATACCT	GAAAAATCAA	ATCTGTAGCA	TTCTCTGGG	ACACTTAGCT
21301	TATAGAATAC	TATTAAGCGT	CTTAAGTACA	CAGTTAAATG	GACTTGAAAG
21351	ATCGTGTATT	TGGTTTCCAT	AGAAATTTAA	GGGTAAATTT	TATAACAACA
21401	TATATTTTGT	AACAGTGGTT	TGGATTATTC	TGTCAAGGTA	TCCTAAGAGA
21451	GAAATAGCTG	TGTCTGGCAT	TATGTATGTA	AGAAATAAAG	GAAAAATATT
21501	AGTAATAGAC	CAGGTGTGGT	GGCTCACTCC	TATAATCCCA	GCACTTTGAG
21551	AGGCCAAGGT	GGGCAGATCA	TTTGAGGTCA	GGAGTTCGAG	ACCAGCCTGA
21601	CCAACATAGT	AAAACCCCGT	CTCTACTAAA	AATACAAAAA	AAATTAGCCA
21651	GGTGTGGTGG	CACATTCTCT	TACTCCCAGC	TACTCCGGAG	GCTGAGGCAG
21701	GAGAATGGCT	TGAACCTGGG	AGGCGGAGGT	TGCAGTGAGC	TGGGATCATG
21751	CCACTACACT	CCAGCCTGCA	CAACAGAGAG	ACTCCATCTC	AAAAAAAAAA
21801	AAAAAAAAAA	AATTGGTAAT	AGTGTACGTT	AACTCTTTTT	AGTTATGGAA
21851	TCTGAGATTT	ACAGGGTATC	AGTATACTTA	AAATACATTC	AGCGAAGTTG
21901	AACACTTAGT	TGTATTTGTG	TGTATGAGAA	AAAACAGCTT	GTTTCCCAAA
21951	TTACAGAGTC	AAGTAAATCT	CTAGACATGG	CCTCTTAAAA	ACAGCCACGC
22001	AGGGCGTGGT	GGCTCACACC	TGTAACCTTA	GCAGTTTGGG	AGGCCAAGGT
22051	GGGCAGATCA	TTTGAGGTCA	GGAATTGTAG	ACCAGCCTGA	CTAACATGGT
22101	GAAAACCCCA	TCTTTACTAA	AAATACAAAA	AAATTAGCCA	GGTGTGGTGG
22151	CACATGCCTG	TACTCCTAGC	TACTCTGGAG	GCTGAGGCAG	GATAATGGCT
22201	TGAACCTAGG	AGGTGGAGAT	TGCAGTGATC	TGGGATCATG	CCACTGCACT
22251	CCAGCCTGGG	CAACAGAGTG	AGACTCTGTC	TCAAAAAAAC	AAAAATAGAC
22301	AAACAAACAA	ACAAAAAATA	CCCGCTAGCC	ATTTACGATC	TGATATGTTA
22351	ACCATTGTGC	AGTTGTAGGA	TTCTGTCTGA	TCCCCAAGTG	CATTTAAAAAT

FIGURE 3H

22401	TGTGTTCTAA	AGTACTCTTG	GTATTGAGAC	ATGGTTCTGG	AGTGTCTAG
22451	ACTAGAATGT	AGATTAGGAT	TTTAGTTATT	GGCTTGTATA	GTAATGTGAC
22501	TTTGCATTGT	GAGCTCTTAT	TCTCTAGGGT	TTTTTCTGAA	AAATCAGTAT
22551	CAGTATATTG	AAGAAAATTT	TTTACACAGC	TACAAACTTA	TAGCACTAAA
22601	ATGACAAAAA	AAGATGATTA	GTCATAAAAA	CATAAGAGAT	CCTTATTTGT
22651	ATTTAAATAA	TTTTCTTTGT	CTAGAATTTG	ATTCCAGCTT	TGTAAATGTA
22701	TGGAGCTTTT	AGTGAACCTT	AACTTCATAA	ATGTTTGTGG	ATCCCGTGAT
22751	AGCTTGGCTC	AGGATCTTGT	AAATACTATC	ACAGCTCAGT	CTTTCTTACT
22801	AGTTTGCCTT	GAGTACTACA	CATTTTAATT	TTACATTGTA	ATAGAAATAT
22851	GATTTTTTTT	TCCCCTATAC	AGTTGTCTTC	GTAGTGTTTT	ATATGATACT
22901	ACTTGGGATA	TATTTAGATT	AGTAGTTTAC	TTTCCCTCCT	TCTGTCATA
22951	AGAGATAAGG	GGAAATCTTC	TAATAAATAC	TTTGTTAATT	TTTTCTTTAC
23001	AAGTAACAAA	GTCAAACTT	GCCAGGCACT	GTGGCTCACG	CCTGTAATCC
23051	CAGCACTTTG	GGAGGCCAAG	GCAGGTGGAT	TGCTTGAGGC	TAGGAGTTTG
23101	AGACCAGCCT	GGCCAACATG	GCCAAATCCC	ATCTCTACTT	AAAAATAAAT
23151	AAATAAAAAA	CACAAAAATT	AGCCGGGCAT	GTTGGTGCAC	ATCTGTAATT
23201	CCAGCTACTT	GGGAGACTGA	GACACAAGAG	TTGCTTGAAC	CCAGGAGGTG
23251	GAGGTTGCAG	TGAGCTGAGA	TTGTGCCGCT	GCACTTCAGT	CTGGGCAGCA
23301	GGGTGAGACT	CCATCTCAAA	AAAAAAAAAA	AAAGGCGGGG	GGGGAAACAA
23351	AGTCACAAGT	TTTGACAAA	TCTCAAGGCT	CTTCAAAGTC	TGATTCAATG
23401	TACCATTCTT	GTTTTCTTTC	TCAGCCTCAA	ACATAGTTAA	TTTATTTTAC
23451	CTTAAACTGC	TGTGCTTGTC	GTCATGCTAT	CCTTTTTTAC	GTCAGGGCTT
23501	TCCTCTTTTT	TGCTGTTAGA	GTATACGGTT	GAATTTTTTT	TTTTTTTTTT
23551	TTTTTGAGAC	AGAGTCTTGC	ACTTGTTGCC	CAGGCTGGAG	TGCAGTGGTG
23601	TGATCTTGGC	TCACTGCAAC	CTCCACCTCC	TGGGTTCAAG	CGATTCTCCT
23651	GCCTCAGCCT	CCTGAATAGC	TGGGATTACA	GGTGCCTGCC	ACCACGCTTG
23701	GCTAATTTTT	TTGTATTTTT	AGTAGAGTTG	GGGTTTCATC	ATGCTGGCCA
23751	GGCTGGTCTT	GAACTCCTGA	CCTCAAGTGA	TCCACCCGCC	TTGGCCCCCG
23801	AAAGTGCTGG	GATTACAGGC	GTGAGCCCCC	GCGCCTGGCC	ATCTCAGTTG
23851	AATTTTAGCC	TACATTTGGT	TTTTGTGTGT	GTGTTTTCTG	TTTTTTTTTT
23901	TTTTTACTTT	TATCTTAGGT	TCAGGGGTAC	ATGTATGTGC	ACATGTGTTA
23951	TGTAGGTAAA	CTGTGTGTCA	CGGGGATTTG	GTGTATAGAT	TATTTTCATCA
24001	CCCAGGTAAT	AAGCATAGTG	CCCTATAGAT	GTTTTTTCTA	ATTCTCTCTG
24051	TTCTTCCACC	CTCCATCCTC	AAGTATGCCC	CAGTGTCTGT	TGTTCCCTCT
24101	TTTGTGTCTT	TGTGTTCTCA	TTGTTTACTT	CCCACTTATA	CATGGGAACA
24151	TGAGGTATTT	GGTTTCTGCT	CCTGTGTTAG	TTTGCCAAGG	GTAATGAATG
24201	GCCTCCAGCT	CCATCCATGT	TCCTGCAGCG	GACATGATCT	TGTTCTTTTT
24251	TTATAGCTAC	ATAGTATTCC	ATGGTATATG	TGTACCACGG	TTTCTTTATC
24301	CAGTCTACTG	TTGATGAGCA	TTGCTTCCAT	GCCTTTGTCA	TTGGGAATAG
24351	TGTCGCAGTG	AACATACACG	TGCGTGCGTG	TGTCTTTACA	GTAGAACAGT
24401	TTATATTCCT	TTCGGTGTAT	ACACAATAAG	GAATTGCTGG	GTCGAATGAT
24451	AACTCTGTTT	AAATTTCTTT	GAGGAATTGC	CATACTGATT	TCCACAATGG
24501	CTGAACTAAT	TTACACTCCC	ACCTGCAGAG	TATAAGCATT	CCCTTTTCTC
24551	CACAACCTTG	ACAACATCTG	TTAATTTTGT	GACTTTTTAG	TAGCCATTCT
24601	GACTGGTGTG	AGATGGTGTT	TCATCGTGGT	TTCAATTTGC	ATTTCTCTAA
24651	TGATTAGTGA	TGTTGAGCAG	GTTTTTATAT	GCTTATTGGC	CGCATGTACG
24701	TCTTCTTTTG	AAAATGTCTA	TTCATGTCCT	TTGCACACTC	TTTAATGGGG
24751	TGGTTTTTTG	CTTGTATATG	TGTTTAAGTT	CTGTGTAGAT	TCTGGATATT
24801	ATACCTTTGT	CAGATGCTTT	GTTTGTAAT	ATTTCTGCCA	TCCTGTAGGT
24851	TGTTTACTCT	GTTGATAGTT	TATTTTGCTG	TTCAGGAAGT	TCTTAGGTTT
24901	CCTTTGTGAG	TTTTTGTTTT	TGTTGCAATT	GCTTTTGACA	TTTTCATCAT
24951	GAAATCTTTG	CCAGGTCCTA	TGTCCAGAAT	GGTATTTCTT	AGATTATCTT
25001	CCAGGCTTTT	ATTTTTTCTT	GTTGTTGTTG	AGACAAAGTC	TTGCTGTGTC
25051	ACCCAGGCTG	GAGTGCAGTG	GCACCATCTC	GGCTCACTGC	AACCTTCATC
25101	TCCCGGGTTA	AAGTGATTCT	CCTGCCTCAG	CCTCCCCAGT	AGCTGGGATT
25151	AAAGGCATGC	GCCACCACAC	CTGGCTAATT	TTTGTATTTT	TTTAGTAGAG

FIGURE 3I

25201	ACAGGGTTTC	ACCATGTTGG	CCAGACTGGT	CTCGAACTCC	CAACCTCAAG
25251	TGATCTGCCT	GCCTTGGTCC	CCCAAAGTGT	TAGGATTAGA	GACGTGAGCC
25301	ACTGCACCCA	GCCTTTCAG	GGTTTTTATA	GTTTTAGGTT	GTACATTTAA
25351	CTCTTAATCC	ATCTTGATTT	TTGTATATGG	TGTAAGGAAG	GGGTGCGGTT
25401	TCAGTCTTCT	GCATATGGCT	AGCAAGTAAT	TCTAGCACCA	CTTATGGACT
25451	AGGAAGTCCA	TTCCCCATTG	CTTGTTTCTG	TCAGCTTTGT	CAAAGATCAG
25501	CGGTTGTAGG	TGTGTGGCAT	TATTTTTGGG	CTCTCTACTC	TGTTCCATTG
25551	GTCTTTGTGT	TTGTTTTTGC	ATCAGTGCCA	TGCTGTTTTG	GTTACTGTCA
25601	CCTTTTAGTA	TACTTTGACA	TCAGGTAACG	TGATTCTTCC	TGCTTTGTTC
25651	TTTTTGCTTA	GGATTGCCTT	GGCTATTTGG	GCTTTTTTGG	TTCCTTATGG
25701	ACTTTAAGAT	CTTTCTAATT	CTGTGAAGAA	TGCCATTTAT	AGTTTGATAG
25751	GAATAGCATT	GAATCTGTAA	ATTGTTTCAG	GCAGTATAGC	TGTTTTAACA
25801	ATATTGATTT	TTCTGTCCA	TGGGCATGGA	CTGTTTTTCC	ATTTGTATCA
25851	TCTCTGATTT	CTTTGAGAGT	GTTTTGTAAT	TCTTATTGTA	GGATCTTTCA
25901	CTTCCCTGGT	TAGCTGTACT	CCAAGATATT	TTATTCTTTT	TTTTTTTTTT
25951	TTTTTTTTTT	GAGATGGACT	CTTACTGTGT	TGCCCAGGCT	GGAGTGCAAT
26001	GGCGCAATCT	CAGCTCACTG	CAACCTCTGC	CTCCTGGGTT	CAAGTGATTC
26051	TCCTGCCTCA	GCCTCCCCAG	TAGCTAGGAT	TAAAGGCATG	CGCCACCACA
26101	CCCGGCTAAT	CTTTGTATTT	TTAGTGGAGA	TGCGGTTTCA	CCATGATGGC
26151	CAGGCTGGTC	TCAAACCTCT	GACCTCAAGG	GATCCGCCTG	CCTCAGCCTC
26201	CCAAAGTGCT	CGGATTACAG	ACATTAGCCA	CCATCCCTGG	TCTTTTAATT
26251	TTTTAAGTGA	CATTTACCAG	CTGTAAATTA	TCATACCTGA	ATTGCTATTT
26301	GGGCTACTGT	AGTGAATCGG	ATTATGCTTT	GGGCCAGTTA	GTTTTACAGT
26351	TTTAAATAGC	CATAGACAAT	ACTCTTAACT	CTGACCTGCT	CATTTGTAA
26401	TCTGTCATTA	GTCACAGTGG	GTTAGAGTAC	TGGCAGAAAC	GTAAACACTA
26451	ACGTGGCACA	TAATATATAC	CCAGGTATAG	TTTTGAGTGA	GGTAGCTGGG
26501	GCAAGTGCTG	ACACAGGTTA	AGTAACTGGC	TTAATGTTAT	AGTAGTAAAT
26551	GCCAATGCTG	ATATTCAAAT	CGACATCCCT	GAATTCAAGC	ATAAATATCT
26601	GTTAAGTAAT	TGGTAGTAGG	CAGGGGTTTA	GAATTATGTG	TTGGCCTTGA
26651	CATGAACATT	TTAGGTATTC	AGGGTTGCTC	AATCAACGGA	CTGACCTTTA
26701	ATCTGTGTGA	TTTCACTGCA	AAAATGGTTT	CTGAATCCAT	TTATATTTTT
26751	ATATTTTATA	AAAAGAAAAC	ACTATTTTCC	TTATTAGTAA	TTTAAAGCAC
26801	AATTTTACTT	CACCACAGCA	TAATTTTGA	TAGTATTATT	ATTATTAGTG
26851	TTTCTTCTGT	GGTGAATGTA	ATTTAAATTG	TGGTTTAAAT	TACTAATGAG
26901	GAAAATAGTG	TTTTCATTTA	TATTTATCTT	ACCCTTAAGT	AATTTTTGTT
26951	GTTACTTGTT	TTTTTTGTTT	TGTTTTGAGA	GAGGGCCTTA	CTTTGTCTCC
27001	CAGGTTGGAG	TGCAGTGGTG	TCATCACTAC	TCATTGCAGC	TTGACCTCC
27051	TGGACCCAAG	TGATCCTTCG	GAGTAGCTGG	GATCATAACG	ATGCGCCACC
27101	ATGCCCAGCA	AAATTTTTTA	AATTTTGGAA	TGATGGGGGA	CTCTCACTCT
27151	TTTGCCAGG	CTAGTCTCGA	ACTCCTGGCT	TCAAGTGATC	CTCCTGCCTC
27201	ATGTGTGATT	ATCAGCGGCG	TGAGCCACCA	TGCCCAGCCT	GTTGTTACTT
27251	TTTTAGGTTG	TAGATAAGTA	GGAATCCTCC	CGTGTCTTTT	GGAATATTAG
27301	CCTTTGCTCT	GGTTTTTCCT	CTAGAGCAGT	CTCCCATTC	TTACTGTTAT
27351	AGGAAATATT	TGACTGTAAT	AACAGAGATT	GACTTGATT	CAAGAGTTCT
27401	TAAATAACAA	TGGCTTCTCT	GATTGACTGC	TTTTGAATTT	CTCCAGTTT
27451	CAAGGGAGTT	TAATGGTTGT	GCCAGAGGCT	TCATTATTGT	TTATATTTTT
27501	GGTTGCTACT	AAGTGCTTTT	AAAAACGTCC	TTAGTCTTGA	TGCTTTTTTT
27551	ATATTTAGTA	TTATTATTAT	TAGTGTTTTT	GCTGTGGTGA	ATGTAATTTA
27601	AATTGTGCTT	TAAATTACTG	ATGAGGAAAG	TAGTGTTTTC	TTAGATTGAA
27651	ACATTTTTAT	TGATATCACC	TACAGGCATT	TTCTTCACAG	CTCAGGGAAT
27701	GTGACTGTCA	AATCTTAGGA	AGAATGTGTT	GTGAATTTTT	TTTTTTTTTT
27751	TTTTTTGAGA	CGGAGTCTCG	CTCAGTCGCC	CAGGCTGGAG	TGCAGTGGTG
27801	CGATCTCAGC	TCACTGCAAG	CTCCACCTTC	CGGGTTCACG	CCGTTCTCCT
27851	GCCTCAGCCT	CCCGAGTAGC	TGGGACTACA	GGCGCCCGCC	ACTATGCCCA
27901	CCTGGCTAAT	TTTTTTTTGT	ATTTTATAGTA	GAGATGAGGT	TTCAACGTGT
27951	TAGCCAGGGT	GGTCTCGATC	TCCTGATCTT	GTGATCCGCC	CGTCTCGGCC

FIGURE 3J

28001	TCCCAAAGTG	CTAGGATTAC	AGGCGTGAGC	CACCCGTGCC	TAGCCTGTTT
28051	TTTCTGTTTT	TGTTTTTGTT	TTTTTAAGAG	CAGTTTTAGG	TTCAGTGCAA
28101	AAATTGAAAG	CACAGTGATA	ACCTATGAAC	TCCCTGCCCT	GACGCATGCA
28151	TAGCCGCCCC	CAGGATGAGC	ATCCTCCTTC	AGAGTAGTAC	ATTTGTTAGA
28201	ATTGGTAAAC	CTCCATTGAC	ACATCATTTG	TACTGTTTTT	AAAAACTTAC
28251	ATTTTAACTC	TTTTATGTTG	AAAATCTTGG	TTTTTAAATG	ACATTTTACCT
28301	ATTTGTTTTA	TCTTGTAAT	GAGATATTTT	AATAATATTC	ATAAGAACAT
28351	CATTGACAAC	AAATATGCTA	AGGTTTTAAG	ATTTTCTTGC	AGTCCTTTGT
28401	GTCCTTACAT	TGTATCACAC	ATCTTAATAA	TCTAAAGATA	TCCTTTTCAAT
28451	GAAGTAAAAA	GATTGGTTGC	ATATGTTCTA	AATAATTTTT	TTTTTCAGTA
28501	AGAAAAGTGG	TGGTTAGTGC	ATACATAATA	GCAAGTCATG	CCGTCTATTTC
28551	TCAGTGCTTT	TAAAAAAGC	AAGTCATCAA	AAGGTTTCAT	TGATATCTCT
28601	GCATATCATG	TTTTTATTTT	CACTTTACCA	GCTCTTTTTT	ATGTGTTTTT
28651	TTTTCTTGAT	TTAATCACTT	TCCTGACAAT	TACCAGGTAC	TTTTTGGAAG
28701	TGGTTAATAT	TAGCGGAATT	GCAGCATGTA	TAACCAAGAA	GGTATTAACA
28751	TGTATACGGA	ATATCTACAG	TGATAAGAAA	ATGACAGTCC	ATTAGAAAAG
28801	TGATCAAAAT	CATTGAACAG	ATTCTTACTT	CACTCAAGAA	AATATATGAC
28851	TAGGCAGGGC	ATGATGGCTT	GCGCCTGTAA	TCCCAGCACT	TTGGGAGGGCC
28901	GGGGCAGGCG	GATCACCTGA	GGTCAAGAGT	TCAAGAACAG	CCTGGCCAAC
28951	ATGGTGAAAC	CCTGTCTCTA	CTAAAAATAC	AAAAATTAGC	CAGGCGTGGT
29001	ATATATATAT	ATACACACAC	ACACACACAC	ACACATATAC	ACACATACAT
29051	ACATACATAC	ACACACACAC	ACATACACAT	ACATATATAT	GTACACACAC
29101	ACATGCATAC	ATCTATATAT	ATGTATGTAA	AACCATATGC	CCTGTGTCAT
29151	ATATATATAT	ATACACACAC	ACGTATATAC	ACACACACAC	ACACACATAT
29201	ATACATACAC	ACACACACAC	ACACACACAT	ATATGCAAAA	CCACATACAT
29251	CTCTGTGGCT	TGTCTGTGAA	TAAAGATAAA	TTTTATTTCT	TTTTTTTCCA
29301	GCAGTGATGC	CTTTTTATTT	ATTTTGCATG	ACTGTACTAG	TTAGAGCTTC
29351	CAAAACAGCA	GACTAGAAAT	GGGGAGAGCA	GACATCCTTA	TCTTGTCTCT
29401	GATATTAGGG	GGAAAGCATT	TGGTCTTTAA	TAGTTAAATC	TGATGTTATC
29451	TGTGGGCTTT	TCATTGATGT	TCCTCTATTC	CTGCTTCATT	GAGAATTGTG
29501	ATCAAGAATG	AATGTTTCAT	ATTGTCAGAT	GATTTTCTGT	GTCTGATGTG
29551	CTCATCATAT	AGATTTTCTT	TTTTAGCATA	TTAATTATGA	TGAATTACAT
29601	CAGTTGGATT	TTGAATACTG	ACCCAAGTTT	GTGTTCTTGG	AATAAACCCC
29651	ATTTGATCAT	GATGTTTTAT	CCTTTTGATA	TATTATTTGA	TTTTGATTGT
29701	TGAACGTTTG	TCTGGAACGT	TTGTATCCAC	ATTATGAGGA	AAATTGGTCT
29751	GCAGTTTTCT	TATAATGTCT	TTGCCTGGCT	TTGGAATAAA	AAATGCTGGC
29801	TTCATAGGAT	CAAAACTGGA	AGTATTTCTT	CTTTTTTTAC	TTTTTAGGAG
29851	GAATTTGTAG	TATTTTTTTC	ATAATATCAA	GATAAAATAT	ACCAATGCAT
29901	TTTTTATGGG	AAGATTTTGA	ACAATAAATT	CATTTTTTAA	AATAGATACA
29951	TGGTTTTTCA	GATTTTTTTT	TCTGTTTGGA	CCTTGAGTGG	TTTGTGACTT
30001	TTCAGGTATT	TGTCCATTTT	ATCTAAGTTT	TCACATGTAT	AGGTATAACA
30051	TGATAATATT	CCCTTCTATC	TTTTTAATAC	CTCAAAAATA	CATAGTGACA
30101	TTACCTCACT	CATTGCTCAT	GATGGTAATT	TGTGTTTTCT	CTCACTGCCC
30151	AATCTGCCTG	GCCCGAAATT	TGTTAATTGC	TTTTATTTTC	TTAAAGAACC
30201	AGCTTTTGTT	TTCACTGATT	TTCTCGACTG	TTCTTATGCT	TTTTTGTTTT
30251	ACTTATTTAT	AGTTCATATT	ATTATTATAT	TTTCATTCTT	CCGTTTGCTT
30301	TGGGTAAAGT	TTGCTATTTT	TTTAGTTTTT	TAAGGTGGAA	ACTAAGATTA
30351	CTTTTTTGAG	ATCTTTTCTG	GTATAGGCAT	TTAGTGCTAT	AAATTTCCCT
30401	CTGAGTTTGC	TTTAACAGCA	TTTCATAGAT	TCTGATATAT	TAAGTTTTCA
30451	TTTTCACTTA	ATGTAAGAAA	TACTTGCTAT	TTTCTTTTTG	ATTTCTTCTT
30501	TATCCCATGG	GTTATTTTTG	AATTGTGTTA	CTTAGTTTCC	AAATTTCTGA
30551	GTATTTTCTC	TTCTTGGTTT	GTAATTTAAT	TCTGTTATGG	TCTGAGGACA
30601	TACTTTGTGT	GATTTGAATC	CTCTTCTTTC	TTTCTTTTTT	TTTTTTTGAA
30651	ACGGAGTTTA	ACTCTGTGGC	CCAGGCTGCA	GTGCAGTGGT	GTGATCTCGA
30701	CTCCGCAACC	TCTGCCTCCT	GGGTTCAAGA	GATTCTGCCT	CATCATCCCA
30751	AATAGCTGGG	ACTACAGGCG	TGCACCACCA	CGCCAGCTA	ATTTTTGTAT

FIGURE 3K

30801	TTT TAGTAAG	AGAGGCGTTT	TTGT CACATT	AGCCAGGCTG	GTCTTGAATT
30851	CCTGACTTCA	GGTGATCCAC	CTGCCTCGGC	CTCCCAAATT	GTTGTGATTA
30901	CAGGCATGAG	CCACCATGCC	CAGCCGAATC	CTCTTATTTT	TATTGAGACT
30951	TGTTTTATGG	TCTAGTACAT	TATATATCTT	GGTAAATGTT	TTGTGTGCCC
31001	TTGAAAAGAG	TATTTGTTGT	TGAGTGTAGT	GATCTATAAA	TGGTAATTAG
31051	GTCAAGCTGG	TTGATAGTGT	GTTCAAATCT	TCCATATCCT	TACTGATTTT
31101	ATGTCTGCTT	GCTTTTATCA	GTTTTGGGGG	AAGGAAATAT	TAAAATCTTC
31151	AGTGACACAG	AATGTGTCTT	TATGTTATGT	TACTGTGAAC	AAATTTCTTT
31201	TTTCCACCCC	TTCTTTTTTT	TAATCATTGT	GTGTGTTGGG	GGTGATTCTC
31251	AGCTTTCCCT	AGTCCTTTGA	AAGTTTTCAG	TGGTTATGTA	GAGAAACCCC
31301	ACAATCAGAG	GGCTGAGAAA	GCATTCTCAG	CGGAACTCAG	GTAATACTTA
31351	ATATTATCTT	TATTAAGAAA	ATAAAGAGAC	TTTGTTGAAA	ATACTTCCAG
31401	AACATTGTCA	TGGAGTTCTG	AACTTCTGGT	TAACTCCATA	AATAGAATCT
31451	ATTTTGTCTA	GGCAAGGAAA	AGGGAACCTT	TATCTTTGGC	CAGTAAGTCT
31501	CCCAAATAGG	TAAAAAGGAG	AGTTTTAAAA	TTTTCTTCTT	TGGAGTCTTC
31551	TTATTAGCAT	AGGTAGAGTT	TTAGTTACAG	AAATCTTGGC	TGTGCTAGAG
31601	GCATGGAAGT	AGAAGAAACC	AGAGCAATGA	ATTTAATGGT	TACTTAACAG
31651	TTTGTCTTGT	TTCTCTTTGT	GTTTGTAATC	CGATAAGAGT	TTTTTTTTTT
31701	TTTTATTAGA	GACAGGGTCT	CACTGTACTG	CCCAGGCTGG	TGTCGAACTC
31751	TTGGGCTCAA	ACAATCCACC	TGCCTCAGCC	TTCCAAAGTG	CTAGGATTAC
31801	AGGTGTGAGC	CACTGCACCC	GGCTAAGATT	TGTTTTTTTA	AGCAGCCAAA
31851	AAAAAAAAAA	AAAACACCAA	CACACAATA	TTTGATAAAT	GCATGGTTTT
31901	TATATTAAAT	AGTACAAATA	GTGAAGTGTA	CAGGTGTTAT	CAACCAAAC
31951	CTTAAGTCAT	GGTGATCTTC	AAGTGCCTGA	GGCTTTCTGG	CACCCTGCCT
32001	AATGCTATTA	GCAGGGTCCA	TAGCAGTGTT	ATTGTCCCAT	ACTCCTTTTC
32051	TGTTCTCTGG	TGAAGCAGCA	AACTGAATAA	AGTTTGAGTC	TTTGTCTAGT
32101	GACTGTACTT	GTTTTCTTGT	GTGCTGGGCA	ATGTGGTAGA	CCATGGGGTT
32151	CCATTGCTAA	TAGCCATTAT	GGTGCACATA	GTAACTAAG	CCCAGGGAAT
32201	TGGGGTCATT	TCTGGTGGAG	TACTGGAGT	GTTCATTTTT	TCAGATTCCC
32251	TGGGTATTAG	GTTAGTGTGG	TCTGGTGCAC	GGGGACAGAG	ACCACTCTTC
32301	TGGCAGCATG	GGTGTTAGAG	GAGATGCCCT	GTGAGCAAGG	CTGCCATTCT
32351	GTGAGAAAGG	AATGAAAAAT	GAATGGTCAG	AAGATACTTG	ATTGTGTAGG
32401	AAACCAGGAG	TTACAATATG	AGAATATACA	TAGACTTGAA	ATTGTGTATA
32451	TCACGTTTTT	AAAATAGAAG	TAAGTTAAGT	GCGTTATACT	TTCAGTTGTT
32501	TTAAAAATAC	TATTAAGTGC	CAGGCATGGT	GGCATGTACT	TCTTGGAGGC
32551	TGAGTTGAGA	AGATTGCTTG	AACCCAGGAG	TTCAAGGATG	TAGTAAGCCC
32601	TGTTTCGTGCT	GCTCTACTGC	ACTCCAGCCT	GGGTGACAGA	GCTAGCCCCG
32651	ATCTCTTTAA	AAAAAAAATG	CCCCTCTTGT	GTAATTTGCC	TTTTTATAGA
32701	GATAATATTT	TTAGCTAGAC	TGAGGGCTTC	AGGGATACTT	TACTCCAGTA
32751	GTAATTTTGT	TGTTGTTAGC	TTTCAAAGCC	CTTGAGAAAA	GGAGCTGCTA
32801	TGCTTACACT	GTGATTACAT	TGGAAATAGT	GCTCTTCTGT	TTTTTGCTCAC
32851	ATGTATACAC	TTCGGCTAAT	TGAGAATTTG	AATCTGAAAC	ATATACTAGT
32901	GATACAGGTT	TCTTTTTATG	CATAAATTAT	TTTTAAATTT	AGTGACAAAT
32951	ATTAGCAATA	ATGTACGTTT	AAGTAGTATA	TAGATTTTAA	TTAAGACATC
33001	CCATGTTTTT	TGTGTACTAA	GACCAGGAAG	CAGTCCTCTA	GTTATTAAAA
33051	TTGGAGTGTA	TTTCTTACTA	GTTGATAAAA	CATGGGTTTT	GGAGTCATAC
33101	CTAGTTTCCA	GCCGTGAACC	TAGTACTTCA	TAATCTATGA	TACTTGGTGT
33151	TCTCTGTAGC	ATTGTAGAAA	TAATACCATC	TACTTTGTAT	GGTGGTTTCA
33201	AGAATTATGG	TAGATCAGTC	TTTCCTAAAT	ACTTGTGTTA	TAAAATGTAA
33251	CTAGGTCTCT	GAAGAAATAA	TTCCATGAAC	ACGTATGTCA	GGAATATGCA
33301	GCATTTTCTG	TTCTCTTAAA	GGTTCTCACT	CTGTATTAAA	ACATTAGGCC
33351	TATGGTCAAG	AAATCTGCTT	TTCTTTGTTC	AACACTGCGT	TTCTCAAACA
33401	GAACCTTCTC	CTTCTTCCTT	CCTACTCCCC	TGCTCCTCTA	TTGAACACCT
33451	GCAGTATATT	ATAGTTTATT	TTTGTTTCAT	GGAACATAGT	TTTGAAAATA
33501	AAGTGCCTCG	CACAGTGTTT	CTAATTATAC	TGGATAAACT	GTTTCATTTC
33551	CTGCTTTGAA	TGTTAATTTT	AATGGTTTGA	AAACTGTATT	GTAGGCTGGG

FIGURE 3L

33601	CGCAGTGGCT	CATGCCTGTA	ATCCCAGCAT	TTTGGGAGGC	CAAGGTGGGT
33651	GGATCACCTG	AGGTCAAGAG	TTAGAGACCA	GCCTGACCAA	CATGGCAAAA
33701	CCCTGTCTCT	ACTAAAAACG	CAAAAATTAG	CCAGGTGTGG	TGGTGCAAGC
33751	CTGTAATCCC	AGCTACATGG	GAGGCTGAGG	CAGGAGAATG	GCTTGAACCC
33801	AGGAGGTGGA	GGTTGCAGTG	AGCCGAGATG	GCCAGTGCAC	TCTAGCCTGG
33851	GTAACAGCGA	AACTCGGTCT	CAAAAAATAT	AAATAAATAA	ATAAATAAAT
33901	AACTGTATTA	TAAACTCAGA	GCTCATTTCT	TTTAATTAAT	TTTAGTTTAA
33951	TCTTCTAAGT	AGTAAGCCAT	TTAATAATTT	GCTACATTTT	ATTCCTAATT
34001	CACTATCATT	TAGTTCATAT	ATTTAGCCCA	AAATGTTGTC	ATACACCTTG
34051	AGATTCAAAT	CCAGGACAAG	CAAGTGCAGA	GGCAGTAGAA	GGGTAAGAAT
34101	CTCACGAACT	CAGTATCTGG	TCAGATTCCT	GCTTCACTAA	TCCAACACAA
34151	TTTAAATGTT	CAGAAATATA	TTCTTGAAGT	ATTATTGAGA	GCCCTCTGGG
34201	AATATATTGA	AGGATCTGGT	TAGATACTTC	CTATAACTGC	TCTAGAGCTC
34251	TTAAGACTAG	GCACAAGCCA	TCCACATCTT	TATTGAGTAA	TTTGTAAGAA
34301	TTCTGCAGAT	TAAAAAAGAA	ATAACATCTT	TACAATAAAA	AAGCAAATGT
34351	TAAAAGAATG	AAAAATCTGT	TTCCAAAGTA	AAAAAGTAGT	AAAATATTGT
34401	TTTAGAAAAA	TTGAAGAAAT	TGAAAAAGCA	TAGATAAAAA	GAATAAAATG
34451	TAGATAAAGA	GACTTAAGAG	TAATTTTATA	CCCAGGAATG	TCCATTCTTA
34501	ACATCTTATC	CTCCGTATTT	CACAAAAAGT	GTACCATATT	ATCCATGCTA
34551	GTTTGTAGCT	TGCTTATTCT	GCTTAAAAAT	GCGAAGTGAA	GAACCTCTCA
34601	TGCCAGATAT	CAGTAGGGCA	CCCTACTTGC	CCTCAAGAAAT	CTACCTTAAT
34651	AGGGTGCCCT	CTATAGCTGA	TTTCTTCCTC	TCCCTTCCCG	TCCCTTCCCC
34701	TCCCTCCCCC	TTTCTTTCTT	TTCTTTTTTC	TTTTCTTTGC	CTGCTTTTCC
34751	TTCTTCTCTT	CCTTCTTTCC	TCTCTTTCTT	TCTTTCTTTC	TCTTTCTTTC
34801	TTTCTTTCTC	TTTCTTTCTT	TCTTTCTTTC	TTTCTTTCTT	TCTTTCTTTC
34851	TTTCTTTCTC	TTTCTTTCTT	CTTTCTCTTC	TCTTTCTTTC	TTTCTTTCTT
34901	TCTTTCTTTC	TTTCTTTCTT	TCTTTCTTTC	TTTCTTTCTT	CCTTTCTTTC
34951	TCTTTCTCTC	CCTCTTTCTC	TTTCTCTCCC	TCTCTCTCTC	CCTCCCTCCC
35001	TCCCTCCCTC	CCGTCTTCC	TTCTTCTCTT	CCTTCTTCC	TTCTTCTCTC
35051	CCTTTCTTCC	CTTCTTTTCC	TTTTCTTTCT	TTCTTGTCTT	TCTTGTCTTT
35101	CTTGGTGGAG	TCTCACTCTG	TAACCCAGGC	TGGAGTGCAG	TGGCTTGATC
35151	TTGGCTCACT	GTAACCTCTG	CTTCTGGGT	TCAAGCAATT	CTTCTTCATC
35201	AGCCTCCCGA	GTAGCTGGGA	TTACAGGAGT	TCGCCAGCAC	ACCTGACTAA
35251	TTTTTTGTAT	TTTTAGTAGA	GATGGGGTTT	CACCGTGTG	GGCCAGCTGG
35301	TCTTGAAGTC	CAGACCTCAG	GTGATCTGTC	CGCCTTGCC	TCCCAAAGTG
35351	CTGGGATTAC	AGGTGTGAGC	CACCGTGCCC	GGCCTCATTT	CTTCATTTGT
35401	GAGGAATGTT	TCCGGGCAGG	AGTTAGGAGT	TGGCAGAAGA	GTGATGAGAG
35451	GAACAAGCCC	TGTTAGAGGG	TAAATTAAGA	CATCATTGTA	CAGTTTCTAG
35501	TTATTAATAA	ACCATTAATG	TATGCAGAAT	TATACAGAGT	AAACATTGTT
35551	TATTTTGGTC	AGTTTTCTTG	CACATATCCA	AAAAGATTTG	AATTTAACTT
35601	GTTTAGGAGA	AAAAAAGTCT	TTAAATACCA	AGAGCTGGTA	TGTGCATAAC
35651	GTACACACCT	AGATTGAAAT	ACAGAACCTT	GGCCAGGTGT	GGTGGCTCAT
35701	GCCTATAATC	CCAGCACTTT	GGGAGGGGAG	ATGTGCGGAT	TGTTTGAGCC
35751	TAGGAGTTCA	AGACCAACCT	GGGTAATGTG	GTGAAACCCT	GTCCCTACAA
35801	AAAATACAAA	AATTAGCTGG	GCATGGGTGG	TGTGTGCCTG	TAGTTCCAGC
35851	TACCTGGGAG	GCTGAGGTGG	GAGGACCTCT	TCAGCCTGGG	AATCAGAGGT
35901	TGCATTGAGC	TGAGATCATG	CCATTGCACT	CCAGTCTAGA	CAACAGAGTG
35951	AGACCCTGTC	TTAAAAATAA	ATAAGTAAAT	AGAGAACCTC	AAGTTATCAT
36001	TACGGTGTGC	TAGATGGTTC	ATTGCCTCTT	TAAATTAAT	TAAAACAAGA
36051	AGTCTAATAG	GAATTCATAG	AACACTTTTT	GGTCAGGCTG	TCTGGATTGC
36101	AGTCGCACAC	TTTTCACTCA	GGCTCATTGC	AGCCTCCACC	TCCCAGTTTC
36151	AAGTGATTCT	CTCCCTCAG	CCTCCTAAGT	AGCTGGGATT	ACAGGTGCTC
36201	GCCACCATGC	CCTGCTGATT	TTTGTATTTT	TCGTAGAGAC	TGGATTTCAC
36251	CATGTTGGCC	AGGCTGGTCT	CGTACTCCTG	ATCTGAAATG	ATCCACCTGC
36301	CTTGGCCTCC	CAAAGTGCTG	AGATTACAGG	TGTAAGCCAC	CACATCCAGC
36351	CAACACTTTT	TCTTGTTGAA	AGATATTCCT	GAAAAAAATG	TTGTATTATT

FIGURE 3M

36401	AAACATGTTT	TAGTCTGCAT	GTATTATGTA	GAGCTTTCTT	TAATGACATC
36451	AAGAATGACA	AAAGAGATGA	AATGTTTATT	ACTACTTTTC	GAATATTTTG
36501	AATTTTTTTC	TTTCTTTCTT	GTTTTTTAAG	GTGGATATCA	TCCAGTGAAA
36551	ATTGGAGACC	TCTTCAATGG	CCGGTATCAT	GTTATTAGAA	AGCTTGGATG
36601	GGGGCACTTC	TCTACTGTCT	GGCTGTGCTG	GGATATGCAG	TAAGTGTTC
36651	TTGTCATTTG	TGCATTTGTT	TCCTGGAGTA	GTTCAACATC	TGTGTTCTAA
36701	GAAGGTATGG	CTGAGGGTCA	CCACTGCTTT	GTTGAGGTAT	GTGAAGTGCT
36751	TAGCACAGGC	CTGCCTCAGC	TGGCTAGATT	CCTTCCTGCC	CCCTGCCTTA
36801	GTTTGAAGTT	CATTTGAAAT	CTTAAATAT	TACTTGCTTC	CAGCTTTATT
36851	TCAAAGTTAA	TTCATTGAAA	TGTTTTTACA	CTGGGATTAT	ATTATTTTTTC
36901	TAGTAATTCA	TCCATATCAG	ACAAACATAA	TGTATAGTAT	AGGCGTTTCA
36951	AATCAGTCAT	TTTTAACTTT	TCAAAGCCAT	GACCCATAGT	AAGAAACTTC
37001	ATTGCTACTC	CATACACACA	CACACACACA	CACACACACA	CACACACACA
37051	CACACACACA	TTTGGTGCGT	GTGTGTGTGT	GTGTGTACTG	AAACAAAGTG
37101	TTAAAAGAGA	ATGGTTTTCA	CTATTAGGTT	GGTGTGTAAT	ATTTCGTGATA
37151	ACTCTGATGT	TTATCTAGTC	TTATTTTAAT	TAGGGAAAAA	ACAAAAACAA
37201	ACATAAAAGA	GATTGTCTTG	ACCCATACTA	CTATTTAATG	TGGCCCCACC
37251	ATTTGAAAAG	TACTATTTTA	AAGGAAAGCT	TATGTTTCTG	TGTATTGGAT
37301	AGATCTCATT	ACAAGTTGAA	TATCCCTTAT	CTGAAATGCT	TTGAGACCAG
37351	AAGTGTTTTG	GATTTTGGAA	TATTTGTGTA	TATACACAAT	GACCTATETT
37401	GGAGATGTGA	CCCAGATCTA	AACACAAAAT	TCATTATATT	TCATATACAC
37451	CATATACACA	TACCCTGAAG	GCAATTTTAT	ACGATATTTT	AAATAATCTT
37501	GTGCAACATG	CAAATCTTTT	ACTGAGTTTT	GATTGCAGTC	AGAGGTGGAA
37551	TTTTACACTG	TGGCATCGTG	TTGACACACT	CATAATGTTT	TAGGTTTTGG
37601	CGCATTTTGG	ATTTTACATT	TTCCAATTAG	GGATGCTCAA	CCTGGATACC
37651	AGTGATTCTT	TCTACTGATA	ATATAGATAA	ATAGACTCTT	TTTTTGTTTT
37701	TTCTTTTAGG	GGGAAAAGAT	TTGTTGCAAT	GAAAGTTGTA	AAAAGTGCCC
37751	AGCATTATAC	GGAGACAGCC	TTGGATGAAA	TAAAATTGCT	CAAATGTGTA
37801	AGTACTTTAA	AAATGTGAAT	GATATAAGAA	AACTTAATGA	CTTAAAATTT
37851	TACAGAAAGA	TTTTTCTGGG	TAATACTAAA	TTAAAGTCAA	GTTTGGCTGG
37901	GCACGGTGGC	TCATGCCTAT	AATCTCAGCA	CTTTGGGAGG	CCAAAGCGAG
37951	CAGATCACTT	GAGGTCAAGA	GTTTCGAGACC	AGCCTGGCAA	ACACGGTGAA
38001	ACCCCATCTC	TGCTAAAAAT	ATAAAAAATA	GCCAGGCATG	GTGGTGGGCA
38051	CCTGTAATCT	CAGCTCCTTG	GGAGGCTGAG	GCATGAGTAT	CGATTGAACC
38101	TGGGAGGCAG	AGGTTGCAGT	GAGCCGAGAT	CGTACCACTG	CACTCCAGAC
38151	TGGGCGATAG	AGCAAGACTC	TGTCTCAAAA	AATAAATAAA	TAAATAAATA
38201	AATAAAGTTT	ATTTTTTATA	ACTTTGTGAT	GAATTTTTTA	TTTTAAAATA
38251	TACTTTATTT	AAACAGTATT	GGTGTATATA	TGGGAAAACA	TGCTTTGTCT
38301	CAAACCTCTG	TGTTCTTGCA	TTCATTTTTT	TTGGCATAGG	TTTCGAGAAAG
38351	TGATCCCAGT	GACCCAAACA	AAGACATGGT	GGTCCAGCTC	ATTGACGACT
38401	TCAAGATTTT	AGGCATGAAT	GGGATACGTA	TCCTTTACTT	CCTGATTTAT
38451	TTGTATTTTT	ACCTTTTAAA	AAATGAAAAT	ATTTCAAGCT	CCTATAATCT
38501	CTGTTTACTG	CTGTATCACC	TTCAACATAA	ACACTCTAGG	AACATTGTCA
38551	AGTATTATGA	AGTGGTCCAC	CTAGAATAGT	TTTCATGGCT	TTTTGGGGTG
38601	TTTGGTAGAG	TAGCATCTTA	GAAACTTATT	TTTAACACAA	CAACTTGACT
38651	TAATTTTGGT	GTGGAATTAA	TTATTGATCT	CTTCCCATT	ATAGTGGTAA
38701	AGTTTTTTTT	GTGGTGGTAG	ATAAAAGCAT	ACATCAGCAC	CACCTCTTTG
38751	TGTTTTAAAC	TTTCTAAAAC	CAGTGCATAA	GGACAATCTG	TGTGTGCCCC
38801	AGTGGCTGCA	AAGCACCATG	TGAAAATGGA	GCATTGGTTA	AGATAAAAGG
38851	AAAAATGCTC	TGTAAATGTC	CACATCCCAA	GGTGGCGCTT	GACTGCTCTT
38901	AGTTCTGAAT	AGTACTAATA	ATTGCCAAAT	TCTTTTTCCA	AAATGATACA
38951	ACTGAGCCTT	TCAAATAATT	GTCCTGCAGA	GGCTCATCTT	TCTGTCAGGT
39001	GAGTATGGAA	ACATTTTGGT	TTTCTTGATT	TTATTCCTGG	TTATCTATAT
39051	TGCAAAAGTT	AAGGAAAAGT	AAAATGATGC	ATTTTCTATA	CTCTGCATTT
39101	TCTATACTCC	TTGATAAATC	TGACATAAGC	CAGTGCTTGA	TCGAAAATAC
39151	CTTTATTGTT	TTTCTTTACA	AACTTATTGG	GAGAAATTTT	AAACATATAA

FIGURE 3N

39201	GAAAGAGATC	ATACTACAGT	AAATTGTTGT	AAATTCGTCA	CTCAAGTTTA
39251	ATAATTGTCA	TGGTCTGGCC	ATAATTGATC	CATCTATCTT	TTCTTGCTGA
39301	ATTATTATAG	AGCAAATCCT	AGAAGTCATG	TCCTTTTACT	TCTGTGTCAT
39351	TGTGAATCTT	TGAAAAAAT	ATGAACTTTT	AAACATAACC	TTAAAACTCA
39401	CCAAAGACAT	TAACGGGTTT	TTGATATCTC	GTCAGATATC	GTTGGTATTG
39451	GAGACTTCTT	AATACAGATT	TCCTTGGTAT	TGCAAAAATG	AACTTTTAAA
39501	GACATATTTG	AATCATTTTT	AACAATATTG	TTTACTCCTA	AGTCTGTATT
39551	CACTTACTTT	AGTTGTTTCA	TTTCAGATTA	ATTTGCTCAA	TTTACATTTT
39601	TCTGTTTCTT	GTTAGACTAT	GATCCACAGA	GTATTTAAAT	TATCCTGACA
39651	GAAAGTTAGT	GATTCTTAAC	AGAGGAAAGT	GTTTCTTGGT	CAGCTATAAG
39701	TGTAGGTGTT	TCTCATGTTT	TTTAAAAGGA	TGGATGGCCT	TAGTCGTAAT
39751	GTGTCCGTTT	CCTTCTGGTG	GGTTCCTGGT	CTCACTGACT	TCAAGAATGA
39801	AGCTGCGGAC	CTTGCACTGA	GTGTTACAGC	TCTTAAAGGT	GGCGCATCCA
39851	GAGTTGTTTG	TTCTCTCCGG	TGGGTTCTGT	GTCTCGCTGA	CTTCAGGAAT
39901	GAAGCCACAG	ACCCTCATGG	TGAGTGTTAC	AGCTCTTAAA	GTTGGTGTGG
39951	ACCCAAAAAG	TGAGCAGCAA	CAAGATTTAT	TTTGAAGAGT	GAAAGAACAA
40001	AGCTTCCACA	GCATGGAAGG	GGACCCAAGC	AGGTTGCTGC	TGCTGGTTTCG
40051	GGTGGCCAGC	TTTTATTCCC	TCATTTGTCC	GTGCCACAGT	TGGAGAAATG
40101	GACCTGCCGA	TTGGTCCATT	TTACAGAGTG	CTGATTGGTG	CATTTACAAT
40151	CCTTTAGGTA	GACACAGTGC	TGATTAGTGT	GTTTTTACAG	ATTGCTGATT
40201	GGTGCATTTA	CAATCCTTTA	GACACAGACC	ACTGGTCAGT	GCGTTTTTAC
40251	AGAGTGCTGA	TTGGTGCAAT	TACAATCCTT	TAGCTAGACA	CAGAGCACTG
40301	ATTGGTGCAT	TTACAATCTT	TAGATAGACA	CAGAGCACTG	ATTGGTGCAT
40351	TTACAGTCCT	CTAGCTAGAC	AGAAAAGTTT	TCAAAGTCCC	CACTCGACCC
40401	AGGAAGTCCA	GCTGGCTTCA	CCTCTCACTA	ATACTAGTTA	TCTTTGGAAG
40451	TGTGTCTAGG	AAGAAGACAA	GCAAAGGTGT	CCCTTGACTT	TCCTTTCTTT
40501	TTTGAGAATA	TCAGTTTTGA	CCATGCTACT	AAGTTATGTG	GATGCTTGTT
40551	GGTTTTGATG	GGGACTCAGG	AGGAAGTGAA	TTAGGATTGT	AGAAAGGGTT
40601	GGCATGTTAT	CCTTATCCTT	CCTCTACCTG	AGGAGTTGGC	AAAGGGTAGC
40651	TCCAGGGAGA	AGTGACAGAG	AGCAAAGTAT	CCCAAAACCT	GTAGCTCAGA
40701	GAAGAAAGCA	AAAATGAAGA	GAAGAGATGA	TGCCTTCAGT	GTCATGAGTA
40751	CTTTTTCTTT	ATGTGGGTGT	TGGATCCTCT	GAGATAGCCC	TTTGTGTGCC
40801	TGGAGTAGGC	AGTACTTTCA	TTTTCCAAGG	TTCAAGAAAA	TCGGACCACT
40851	TTACTCAGAG	GCACATGACT	GATGGGTGCT	AGGTTGTGTC	AGTGTCTGTG
40901	GTCTTCTGGC	TTCTTTTACA	TTTTTTTGCT	TTTATATCAT	GTTTGGAACA
40951	GATCCACCAT	TTTGATATTT	TACTTTTACA	AATGTCAGAA	GCCTAAGGAT
41001	AAGGCTTTTT	CCCAGATTTA	AACTCCAAAA	TGACATCCAG	TTTATGCATC
41051	TACTAAGTCA	TGATCAACTA	GGGAAGCATT	TCCTTCACTC	TATATATTTG
41101	AGAAGGTTTT	TATACAAGGG	AATGTCACCA	TGTTCATAGA	AAAAGTAGAT
41151	TAAAAGACAA	AAATAAAGAA	TATAAACTTT	ATTTCTCACA	TAAGTTTCAT
41201	CAAGTTCAAG	ACACTTTTGT	AAACAATCAT	ATCAGCCATT	TAGTTGCTCC
41251	CCAAAGAACC	AGGGGTCTTA	GGAATTTAAC	CATGTCAGTG	AAATCTTTTT
41301	TACATTATTA	ACTGAAGAAA	AATGGGTGCC	CTTTTTAAGA	TTAAGAAACA
41351	AAAATTAGGA	GTAGCCAAAT	AAGGATAATA	AGGTGGATGT	CTAATGAGTT
41401	TCCACTGAAA	CTCTTCACAA	AATTGCCCTC	GTTTGATGAG	AGGAATGAAC
41451	AGGAACATTT	ACATGGTGGA	GAAGGACTCC	TTGGTGAAGT	TTTCTGAGGT
41501	ATTTTCCTGC	TAAAGCATTC	ACTGACTTTC	TCAAAATTAG	CTCTCATAAT
41551	AAGCAGGTGT	TATCATTCTT	TGGTTCTCCA	TAAAGTCAAC	AAGCAAAATG
41601	CCTCAGCATC	CCAAAAACG	GTTGCAGTGA	CCTTTCCTCT	TCACTAGTTC
41651	ACTAGTGCTT	TGACTGGACC	ACTGCCACCT	CTTGGTAGTT	ATTGCTTTGA
41701	TTGTGCTTTG	TCTTCAGGAT	CATACTGTAG	AACCATGTTT	TATGTCCTGT
41751	TACAGTCCTT	TGAAGAAATG	CCTCAGGATC	TCGATCGTAC	CTGTTTAAAA
41801	TTTCCGTTGA	AAGCTCTGCT	CTTGTCTTGA	TCTGGGAACA	ATGGTTTTGG
41851	CACCCATTGA	GTGGAAAGTT	TGCTCAACTT	CAGTTTTCAA	TTGGAATTGC
41901	ATAAGTTGAA	CCAGTCGTGA	AGTCTGTGGT	GTTGGCTGTT	GTTTGTGCTG
41951	TCATCTGTCC	TCTTCAATTA	GGGTGCAAAC	TTTTTTTTTC	TTTGAGATGG

FIGURE 30

42001	AATTTTGCTC	TTGTTGCGCA	GGCTGGAGTG	CAATGGTGCA	GTCACGGCTC
42051	AGCACAACCT	CCGCCTCCCG	GGTTCAAGAG	ATTCTCCTGC	CTCAGCCTCC
42101	TGAGTAGCTG	GGATTACAGG	CATGTGCCAC	CACGCCCAGC	TAATTTTGTG
42151	TTTATTTTTT	ATTTTTTATT	TTTTTAGAGA	CGGGATTCT	CCATGTGGGT
42201	CAGGCTGGTC	TCGAATTCCC	GACCTCAGGT	GATCTGCCCG	CCTCAGCTTC
42251	CCAAAGTGCT	GGGATTACAG	GTGTGAGCCA	CCATGCCCGG	CCGCAAACCT
42301	TTTTTCCACA	CAAATTGATG	CAAATGGTCT	GCCGCTGCAG	GCTTCATCTT
42351	CAACATTATC	TCATCCCTTC	TAAAACCGG	TTATTCATTT	GTAAACTGCC
42401	GATTTATTTG	CGGTATTGTC	CCCTTAAACT	TACCATAAAG	CATCAGTGAT
42451	TTCACCATTT	TTTCACCCAA	GCTTCATCAT	AAATTTGATG	TTTGTATTG
42501	CTTTGATTTT	AGAATTCATG	TGTCTCTGTT	AGAGGCTTTT	TTCAAACCTGA
42551	TGTCTTATCT	TGCGAGTGCC	TCAAACCTAGA	TCCTGTTTCT	ATACTTTAAC
42601	AAACTAGTAT	GAGTTTATTT	TGGTGCAAAA	AAATTTTGA	AATCTATGCA
42651	TAGTGTTTTT	AAAATACACA	TTTTCCATAG	ACTTTTTGAA	AATCCCTCAT
42701	ATTTCTTTTA	GAAATTCATC	TTGAGTATAC	TAGGAAGTAC	CAGTGGCTGC
42751	TAATGTTACC	TCGTCCTTTT	TCTCCAGTTA	ATTTCTGCTA	ACTGCTGAGT
42801	ATATTTTTCC	CTTTGGATAG	ATAAATCAGT	AAGCAGATAG	CGGCAGAGCA
42851	CTCACTTCTT	CTGTGTCCGA	CTTGCAAGGT	CCTTCTTGGG	ACAGCTAATA
42901	GAACATTTCT	TTGGAGAAAC	TACTTAATCC	GTGGGTAAAT	AGAGGTTTTT
42951	GAAATATACG	TTCTAGTGGG	TATTTTTACT	GTAAAGCAAA	ATGCGAAGTA
43001	ATCATCATAT	CCAGATATGC	CAGTGCCTTG	AGAAGACTTA	GGTTATGTTT
43051	GGGATATCCT	GGGCCTCGCG	CTATGCCTGC	TGCTAAATGT	AGTCCTTAAA
43101	TAATCTGCCG	TTTTTGTAAT	GAGCCTGGGA	AATAGTAAGA	AACTTCTGGC
43151	TTTAGATTAT	CTGCGCATAA	ATCTGTAGTG	CTTACATTCT	TAAACAGTAT
43201	AGAAAGATTT	TTCTTTTTTT	CACTAAAAAT	ATTTAAAAAT	ATATTGTTTT
43251	AATATAGCAT	ATTCAGTTAT	TATAGTTGAT	TAAATCAACT	ACTTTTTTTG
43301	ATTCTAAAGT	CAAATGTAAG	CCTCCAGGGA	TGAATAAAAT	GTTCTCAAAG
43351	GGTTTCAGAG	CCATTTGTAA	TCTTCCTGTA	TGAATGACAT	GAATATATAA
43401	TGAAATTGGA	GGTATCATAG	TTGTGAAGGC	TGAAATACCT	ATTTTAAAAA
43451	AAAATTAAGT	TGGGGCCAGG	TGTGGTGGCT	CATGCCTGTA	ATCCCAGCAC
43501	TTTGGGAGAC	CAAGGTGTGT	GGATCACTTG	AGATTAGGAG	TTTGAGACCA
43551	GCCTGGCCAA	CATGGTGAAA	CCCTGTCTCT	ACTAAACTG	GAAAAATCAA
43601	CTGGGCATAG	TGGCACACGC	CTGTAATCCC	AGCTATTTGG	GAGGCCGAGG
43651	TAGGAGAATC	GCTTGAACCC	AGGAGGTGGA	GGTTGCAGTG	AGCTGAGATC
43701	GTGCCACTGC	ACTCCAGCCT	GGGTGACAGA	ACAAGACTGT	GTCTCAAAAA
43751	AAAATTAAGC	TGGGCATGGT	GGTTTTCAAC	TGTAGTACTG	ACTACTTGGG
43801	AATCTAAGGC	AAGAGAGTAT	CTTTAGCCCA	GGAGTTCTAG	TCCACCTGGC
43851	ACAGCGTAGT	GAGACCCTGT	CTTTTTTAAG	AAAAGAAAAT	CCAGATTCTT
43901	GAGATGTTGT	TACTATAGAT	TAAGTCTTAA	TACCATGTCT	TAAATGGTGA
43951	TCATACATTC	TTAACACCTG	CCTATAGTAT	TAAAATTGAT	CTAGTTGTAT
44001	AATGTAAGAT	ATTATTCAAG	GAAAAGATTA	AATAGGTCTT	AACTGTGTTT
44051	ACTAAATTTT	TATTTTATAA	TGTGTTTTAT	GTAGCTTATC	AAGTAGAAAT
44101	TTAGGCAGGC	AGTTAGGACA	CTTGAGATAC	TGGAGCTCTG	TATTTGTTTC
44151	ATGTCAGTTC	CTAGGAGGTT	TCAGTCTTGC	CTGTTTCATC	AGGCTGATTT
44201	CCAGGGAGTG	TGCTGAGATG	GGTGAGAGTG	CAGCTCAGTG	TAGGCTTGAG
44251	TAGTGGCTCA	GCCACCTGGC	ACTTTCTAAG	TGCACTCTAC	ACCTAGAAAG
44301	TGCCATGTCC	TCATGCCTAC	AGTGGGGTTA	ATTACATTAT	TGCCCTAAGGT
44351	TGTTTGGAGT	ACACGTGAAA	TAATATATGG	CACAGAGTAA	GTACACTTAG
44401	CCCTTTTTTA	TCTGCTGGTT	CCCCATTCT	AGATTTAATA	AACGTTGGAT
44451	GAAAAATATT	TGGGAAACAC	CAGTAAAAAG	TAGTAGAAAT	TAAGAAATAG
44501	AGTATAACAA	CTATTTACAT	AGCATATACA	TTGTATTAGG	TATTATAAGT
44551	AATCTAGACA	TGATTTAAAT	AAAGTATATG	GGCTGGGCAC	GGTGGCTCAT
44601	GCCTGTAATC	CCAGCACTTT	GGGAGCCCAA	GGCGGGTGGA	TCATGAGGTC
44651	AGGAGATCGA	GACCATCCTG	GCTAACATGG	TGAAACCCTG	TCTCTACTAA
44701	AATTACAAAA	AATTAGCCGA	GCGTGGTGGC	GGGCACCTGT	AGTTTCAGCT
44751	GCTCGGGAGG	CTGAGGCAGG	AGAATGGTGT	GAACCCAGAA	AGCAGAGCTT

FIGURE 3P

44801	GCAGTGAGCC	AAGATCACAC	CACTGCACTC	CTGGGCGACA	GAGCAAGACT
44851	CCGTCTCAAA	AAAAAATAAA	AATAAAGTAT	ATGGAAGGAT	GTGAATAGGT
44901	TATGTATATA	CTACACCAGT	TTACTGAAGA	GGCGAGCATA	TGTACATTTT
44951	GGTATCTGAG	AGCGGTCCTG	GAACCAATCT	CCTGAGATAC	TGGGAAACAC
45001	CTGTATTTAG	TAATGTCAGT	TCTTGTTATT	TAAGTGAGAT	ACAACATTTT
45051	CTCACTTTTG	GTATTACTGA	TAGGGTTGAT	GTTGTATTTT	ATAAAGTAAT
45101	AAGTGCTTTG	CAAGTGACAC	AATGGTGCTG	CTTTC AATAA	CTGCCTCACT
45151	CCAGGCAGTG	CATCCACAAA	CGATCCTTAA	CTGTGTCCCA	GATGTCTGCA
45201	TGGTCTTCGA	AGTACTTGGC	CACCATCTCC	TCAAGTGGAT	CATCAAATCC
45251	AACATATCAAG	GCCTCCCAGT	ACGTTGTGTG	AAGAGTATCA	TTCGACAGGT
45301	GAGACTTTTG	ACAGCAGCCC	CTAGGCCCTA	GTACCTAATT	GGTTAGGCTT
45351	TCAACATGAA	TGCTGTTTAC	AAATATGTAT	ATGTATTACA	TATGTATCAG
45401	TGCATAATGT	ATATATGTTA	TGTATGTTAC	ATATGTATCA	GTGCATAACA
45451	TTTTGAACTC	TTATTAAGTC	AGTATTTAAT	GATATTTTGT	GTTGTGAAGG
45501	GAACAACATG	TAATTGTCAG	GCATACGTTT	TTTGCCTGTC	GTTTTTTTTT
45551	TTAAGGTATG	TGACATGGTA	CAATTACATT	GTTTTTGTTC	AGTATCTACT
45601	ATAAAACATC	CACTTAGTTC	ATTAGGAAGT	AATTTAGAAG	AAATAACTTA
45651	CTGGGTTTTAT	TACTAAGTA	TCCTTGGAATG	GAGATTAAAT	AATAGATAAT
45701	TGAAGAGTTG	TGTACAAAGT	TTCAGTTATA	ACGTGGTTAA	ATTCTGCAGA
45751	TCTAATAGAC	AGCATGATGA	CTATAGTTAA	CATTATTGTG	TACTTGGAAT
45801	TTGTTAACAG	AGTAGACTTG	AATGTTCTCA	TCATGTACAC	ACACACAGAG
45851	TCTATATGTC	ATACTGGGTT	AGGTTAATTA	GCTGTTTTGT	GCTAATCATT
45901	TCACAGTGTA	CACATATTTT	AAGACATGTA	CACTACTAAT	ATATTTCAGTT
45951	TTTATTGTCA	GTTGTACCTC	AGTAAAGCTG	GGGAAAAAAA	TGGAAATGTT
46001	TAACTCATAT	AGAAATTACT	GTATTAGATG	TGTGTTTTGT	TCAGTTGCCC
46051	TGCCAGAAGA	AAACCCTCAG	CTAGGGTCAG	GCTTAGAGAT	GATGCTCTAG
46101	TAAACATCTG	TAGAATGAAA	GTATGCGTAG	ATGGAAGAAC	TCCTCCTAAT
46151	TAGCAGTGTT	TGCCCATTC	AGTGTTCTGC	ATGGAATCAG	TATGTATTCT
46201	ACTCATTGCC	TGTAAAAAGT	TTGAAGTTTA	AATTTGTGTA	GTA AAAAGCAT
46251	CTTTGATATT	TCTGTTGAAT	TTGTGTGCAG	ATAACTTTGT	TTAGCCTGCC
46301	TGTGTGTTCA	TCTCTTCTTC	CTTTTGACG	GGTTTTTTTT	TTTTTTTTTT
46351	TTTTTTTGGG	GACGGAGTCT	CGCTCTGTCA	CCCAGGCTGG	AGTGAAGTGG
46401	TGCAATCTCA	GCTCATTGCA	GCCTCCTGAG	CAGCTGGGAC	TATAGGTGCT
46451	TGGTACCACA	CCCAGCTAAT	TTTTGTATTT	TTAGTAGAGA	CAGGGTTTCA
46501	CCGTGTTGCC	CAGGGTGGTC	TCAAACCTCT	AAGCTCAGGC	AGTCTGCCTG
46551	CCTCTGCCTT	CCAAAGTGCT	GGGATTACAG	GTGTGAACCA	CTGCACCCAG
46601	CCTTGTATGG	AAAATTGGCA	GCTTATTCTG	TAACATGACA	GATGTTACTT
46651	GAGAAGAGGG	GCTGGAGAGG	GAAAAGTTCA	CTACATTGTC	TTCTATATCA
46701	GTTGAATTGA	GGTGTTTCTA	TGTAGTATTA	TGCTAGGTAT	ACATGTGGGC
46751	CTAGATTTAT	GGCTAACTTT	TGTTCAGTAC	TGTATCTGTT	TGCCCTTAGC
46801	TTTCAAATAG	TAGCATTTTT	ATTCATTATT	TCGACAGGCT	GATATCTCAA
46851	ATGAACAAC	TTAATGTAGA	AGAGGTTATG	TGGTGAGGGC	AGAAATTAGT
46901	ATGTAAAGTG	GAATTATTTG	ATCCCCAAAT	AAGACTAGTG	TATTATTTGT
46951	AACATTTAGC	AGCAACTCTA	AAGTCTTTAA	AAAAAAAAAA	AAACACAAAA
47001	AAACACAAAA	AAATAAAGCC	ATATTGTTAA	AACTTGGGAA	GAATCTCCTA
47051	ATTATTTTTG	ATAAATCTTG	AAAATATTAA	AGGAATTACA	CATTCTAACA
47101	AATACTGAAT	AATTTTCAGAA	ATAGCTGCCT	GCATGTATTT	CCCGCAGGCT
47151	CCATCATTTT	CCAGAACCTC	ATGCTTTCAG	AGGGGCTTGC	TGTTGCCTTA
47201	AGTGACTGAC	CACACCACCA	CCCTTTAGGC	TTAGTGTGTA	AGAAGGTGAA
47251	TTTGCCAGG	CGCAGTGGCT	CACGCTTGTA	ATCCCAGCAC	TTTGGGCGGC
47301	CAAGGCGGGT	GGATCACGAG	GTCAGGAGAT	TGAGACCAGC	CTGGCCAGCA
47351	TGGTGAAACC	CCATCTCTAC	TAAAAACACA	AAAATTAGCC	AGGCGTGGTG
47401	GCACACGCCT	GTAATCCCAG	CTACTCTGCC	AGCTGAGGCA	GGAGAATTAC
47451	TTGAACCCGG	GAGGTGGAGG	TTGCAGTGAG	CTGAGATCAT	GCCACTGCAC
47501	TCCAGCCTGG	GCAACAGAAC	AAGACTCCAT	CTCAGGGAAA	AAAAAAAAAA
47551	GGTGAATTCA	CAGATGAGCC	ATTGACATTT	ATTTTATCTT	CTAGAGAAGA

FIGURE 3Q

47601	AAATATAGCC	TTAGCAAGTT	GAAGGAGTCT	GTAAGTTGAA	AGATGAAAAT
47651	CTGAGGTTCA	GTGGAACCTC	AGTGCATCCT	TGTTGAATGA	ACCGAAGATT
47701	AAATAAGTTA	ACCTGTGTTT	TTCATTTTGT	TTTTGTTTTT	TGAGACAGGG
47751	TCTTCCTCTG	TTACCCAGGC	TGGAGTGCAC	TGGTCAGTCA	CAGCTCACTG
47801	CAGCCTTGCC	CTCCTGGGCT	CTAGTGATCC	TCCCACCTCA	GCCTCCCTAG
47851	TAGCTGGGAC	TGCAGGCATG	CACCACCGTG	CTAGCTAATT	TTTATTTTTT
47901	TGTAGAGACG	GGGTCTCACT	GTGTTGCTCA	GGCTGGTCTC	TTTGTCTCCT
47951	GGACTCAAGC	AGTCTTCCCA	TCTCAGCCTC	CCAAAGTTGC	TAGGATTATA
48001	CCACACCTGG	CCAATGCGTG	TGTTATCCTC	ACTGTAATTC	ATGTACCCTG
48051	TTTTTGGTGG	AAACTTAGAA	AGAGCTCTTA	TATTATTTCT	TTAGTTCAGA
48101	GAAATTCAAG	CTGAAAATTT	GATTGTGTCA	TGTGGTCTGC	ACTTTGTTCT
48151	TATATGCAGT	GTTAATGGAA	TTTTGGTTTG	GTTTTGGTTT	TGTGTGTGTG
48201	AACCCATCTT	TCTTTAAGAA	AAATATTATC	ATGGAATCTG	GATTTTTTCC
48251	CCCTAAGCTT	ACGCAGAACT	TTCAGTGTAG	TAAGTTGTTC	AAGAAATTAC
48301	ATACTCCAGT	TAATAATCTA	CTTACCTGAG	GTTTCCCTTC	AACCCCTTTG
48351	ATTCAGCCTA	TGTTTTCAGT	ATTTCTTTCT	CCCGGGTAGT	ACTAGGAAGA
48401	TTTTTTATTG	CAGACTGACA	CAGTTATATC	ATTTCCCAAG	ACAAGCCAGA
48451	GCAGACCAAT	TTTCTTAGTA	TTTTCTTAGT	ATCCTTTCAC	TGTAGACCTT
48501	CTTCTTAAGA	GTCATGGATA	ACCGACCATG	TTCCAGTCAT	TCTCCTTACT
48551	CTATCACTTG	CTGTGCTTCC	CCAGGAACCC	GCCTGTTGAA	CTCTCCTTTG
48601	CCATGTCTTT	TACTCTTGAT	GTTCTTTGTA	TTTCTGTTGC	TGTCCTCTTT
48651	AGTTCAGGCC	CTTATCACCT	CCAGCTAGTA	CCTTTTCACA	GGCTTTTCTT
48701	GGCTCTCTGT	GCATACAGCC	CATCCAATTC	CCGGTCCCTT	TTCCAGTTTA
48751	TTCTCCTTTC	TATTGCAAGT	AAAACCTTGC	TTTAATGACT	CATATTCCCA
48801	TTGAGAATTC	TTTAGTGGCT	TCCCATTGCC	TGTTTGCTGA	AGCTTTATGT
48851	TCTTGGCCTT	CATGAAGCAA	TATATGGAGT	TGTTAAGAGC	TTGGGTTTGG
48901	CATCAAATAT	ACCCTACTTT	CACCAAAGGG	CTTTGGCCAA	GTTACCTAAC
48951	TTCTGCAAAC	CACAATTTCA	TCATCAATAA	AAGTGGGGAA	AATAATGATA
49001	CCAGCCAGGC	GTGGTGGCTC	ATGCCTGTAA	TCCCAGCACT	TTGGAAGGTT
49051	GAGGTGGGAG	GATTTCTTGA	GACCAGGAGT	TCAAGACCAA	CCTGGGCAAC
49101	ATCGCAAGAC	CGTGTCTCTA	CCAAACAAAA	TTTAAAAATT	AGCCAGGTAT
49151	GATGGCATGC	ACCTGTGGTC	CCAGCTACCT	GGGAGGCTGA	GGTCGGAGGA
49201	TCACTTGAGC	CCAAGGGGTC	AAGGCTGCAG	TGAGCCATGA	TGGTGCCACT
49251	GCACTGTAGC	CTGTGTGACA	GAACAAGACT	GTCTCTTTAA	AAACAAAAAA
49301	CAAACAAAAA	TGATACCTTC	CTCATTAGTT	TATTGTAAAG	ATGTAATGAG
49351	AGATAGTAAT	GCTAATAGTA	GCAAATAGTT	AATTCAGTGC	TTACTATGTG
49401	CCAGGTATAA	TTTGAGTACT	TTGCATAGTT	GAGTTCCTCA	CAATAACCCT
49451	GTGAAATGGG	TATTATTACT	TTCCTGATTT	CATCAAGAGG	AAACAGAAGC
49501	CCAGAGAGGT	TAAGTAACTT	GCCCCTAGTT	AGGAAGTCGC	TTAAAAAGTG
49551	CTAAGTGGTG	AAGCAGGAAT	TCAAACCCAG	ATAGTCTGGC	TTCAGAGCTC
49601	ATGGGTTTAC	CATTTTGGCC	GTTATATAAT	GGGTTTTATA	TAATAAACTT
49651	ATTATGAGCC	TGTAATAAGT	TTGGAATTGT	ACTGGGCCCTA	TGTCCAGTAG
49701	AAGTTAAGTC	ACTTTCTGGG	AACCTGTTTA	AGATTTTCTA	TCATCTGGTG
49751	TCAGCCTGTA	TTTCCCCTTG	CAGACAAAAA	GTGATGTCCC	TCAGGTACCC
49801	TATTTCCCTC	TGGAATCTAC	CAGCTTACGT	TTTTTATGAA	TGTTCAAAGA
49851	TGTCCCAAAC	ATTTATAATG	TGCAGATTTA	CCAGAATTTT	CATTTCATGAA
49901	TGTTTACTGG	TTTTATTTTG	TAGGTAGTTT	AGAGAAAAGTA	CTCACTGGTA
49951	ATCATCTTGA	CCCCTAAGGG	CACCTTTCCT	TTTTTTATCT	CCACATCTTT
50001	GATCATCTCT	TTTGTTCTAG	GCTGCCAGAA	ATGCCATCCT	TGTCTACCCA
50051	CATTTTTTAAG	ACTCAACGAA	AATCCCACCA	TTGTGACAAA	GGCTTCTCAC
50101	AGTACCCAAT	TAAGAGGATG	CCTTCCCTTC	TTGAAATGCC	TTCAAGCTCAC
50151	ATTTGGTCCC	ATAACTACGT	GTAGGCCCCA	TCTCAACCCT	AGGGCTGCTG
50201	GCACTTCAGA	CCAGATAGGA	TGTTTAGCAG	CGTCCCTGGC	ATCTACCCCT
50251	CAGAGCCAGT	ATCAGCTGTC	ACCATCCCTG	ATTGTGGCAA	TTAGAAATAT
50301	CTCTGAACTT	TGCCAGTTTT	CCTCTCACTG	AGAACCACTG	GGATAAGAGA
50351	AAGTGTAAGG	TGTATTGTGC	TTTGGTGACA	GACTTGATTT	AACATCATAG

FIGURE 3R

50401	CTTTGGCACT	TCTATCTTGT	ACTCCTGATC	AGTTACTTAG	CCTCTGTGAG
50451	TCTGTTTCCT	CATTTGTAAA	CTCGAAATAG	TAATGCATAA	TTTGTAGTTT
50501	GATTGTGGAG	ATTAAGAATA	AGGGGGCTGG	GTGCAGTGGC	TCACGCCTGT
50551	AATCCCTGCA	CTTTGGGAGG	TTGAGGTGGG	TGTATCACCT	GAAGTCAGGA
50601	GTTCAAGACC	AGCCTGGCCA	ACATAGTGAA	ACCTTGCTCT	TACTAAAAAT
50651	ATAAAAAATT	AGCTGGGAGT	GGTGGCACAT	ACATATAGTT	CCAGCTACTT
50701	GGGAGGCTGC	GGCAAGAGAA	TCACCTGGAC	TTGGGAGGCG	GAGGCTGCAG
50751	TGAGCCGAGA	TCGTGCCATT	GCACTCCAGC	CTGGGTGACA	ATAGCGAAAT
50801	TCTGACTCAA	ACAGACAAAC	AAGAATAAGG	GTGGGCCAGG	TGCGGTGGCT
50851	CACACCTGTA	ATCCCAGCAC	TTTGGGAGGC	CAAGCGGGC	AGATCATGAG
50901	GTCAGGAGTT	CTAGACCAGC	CTGACCAATA	TGGTGAAACC	CCATCTCTAC
50951	TAAAAATACA	AAAATTAGCT	GGGTGTGGTG	GCACGTGCTT	GTAGTCCCAG
51001	CTACTCGGGA	GGCTGAGGCA	GGAATTGCTT	GAACCCAGGA	TACGGAGGTT
51051	GCAGTGAGCC	GAGATTGTGT	CACTGCTGCT	CTTCAGCCTG	GGTGACAGAC
51101	TCTGTCTCCA	AACAAACAAA	AAAAGTATAG	CCATTAGATT	TTATGAAGTA
51151	GATATTATAA	TATGTAACCA	GATGAGACCT	TTAAAACCCA	ATGTTTTTCC
51201	AGACTTCTCC	CTTTGGGGTG	CAACCCTCTA	GTATGCCGAG	AGCCACGGTG
51251	GTGCCCCGCA	GGTCCTCTCA	CCTGTATCAT	TGGCTGATTT	TGTCTCTCTA
51301	CACTTAGTAT	TTATTTACCA	TTGTAATTCT	TTCAAGTGCC	CTGTTTATCA
51351	GTAAATTTTG	TTATGACTGA	ACCAGTATTG	TTCAAGTTCA	GACCAGAAGC
51401	TTTCATGTCA	ATTTGGTAAA	CATTTTGATA	TTACTGGGTT	TGTTTCAGCAT
51451	GGTAGTGCAC	ACGATGCTGT	ATTGACTTGG	AATTCTCCTC	AGGATGTTGA
51501	GCCCTTGACT	CAGGAAATGT	GGTGAGGTGG	CTCTGTTTCA	AGGGACTAAG
51551	CTGCTTTCCT	GAGCCATTGC	TTTGTGCAGT	CCCAGTGCTG	GGCACAGCAG
51601	CTTTAACTTT	CTTCCTGATG	ACATTGAGAA	GTACAGCTGC	TGGCTTTTCT
51651	CATTAATTCT	CACCAGTTAG	AGATGAAAGA	AAAAGGAGCA	GAGGCTATTT
51701	CAGGACAATG	TGGGTAAGGA	CGCCGTCCCC	TGGATTTTTG	GTTTGAGCGT
51751	GTCTCTGGCT	CTTGTCCTCT	TTTATTGTTA	ACAGGTATTT	CCAAGCTCCT
51801	CCATTGAGTT	TAACATCTTG	GTTTTACAG	GCAGTTGGTG	GGACCTGCCT
51851	TGTGTGTTTC	ACTGTGGAAG	GGAAATCTAG	TGGAACCTC	AGTGTTTCCA
51901	GCAGGAAACT	TCTAGGCTTG	CGGAGAACCC	CTCTGGTGTC	CCGCACGCCC
51951	ACAAGTAATT	AATATTCTCA	ATGAAGAACT	CCTGCTTGGG	GTCGCCTCCT
52001	TCCTCTGCCA	GCCCATCTGG	CTGCCACGT	GGGTTTCTCT	GGGTGCTTCA
52051	TTAGGTTCTG	TTACCCACAG	AGTAGGAGGA	GACAGAGTCT	CCCTGCTCTG
52101	TGTCCTTTGT	TCAGGTGTGG	GAGGAAGAAA	GTCCACCGCT	TATCACCAGT
52151	AGCAGAGCAT	AATTTGGAAA	GTTGCTCTCA	TTCTATTTCT	TTTTACAGTT
52201	CAGAAATTTG	GGGGAAGCTT	TGCACTCTGG	GCTGTGAGCA	AGGCCAGGGA
52251	GACAGTCTTT	AGAGGAGTCT	CCACATTATG	CTTGACTGTT	CCCCGACTTA
52301	TCTACAAGAT	TACAGGACCT	ATTTCAATCA	AGTTGTGGTG	GAGAGGAGCA
52351	GATTTGTGTT	GCGAAGACCA	GTAATAGATG	GTATCTGACA	CAAATGTTGA
52401	TGTACAGAAA	GAAAGCTTTG	AGACCATTTT	AACCAAGCCC	CTTATTTTGA
52451	AGATGAATTT	GAGGTTCAAG	GAAAAGAAGG	AACCTTCTCT	GAACCTGTAG
52501	CTAGTTAATT	TGGAATGGGA	CTCGGGGCTT	CTAGCTCCCA	GCCCTAGACT
52551	TAGCCTTCTT	TTCCGCACTG	CTGCTGAAT	CAAAGTCTGA	CTTTACCCAG
52601	AGAAACCTGG	CACCTGTGTC	TCATGTGTGT	GAAATGGCTC	CCTGAGTGGG
52651	ATGATTGAGA	GTCACGTCCC	TGGCTCGTCT	GGGCTTAGGT	TGATCTCAGC
52701	TTCCCTGGCA	GCCAAAGGAT	CTCTGCTGCC	TCCTGCTGCT	AGCACCAAGT
52751	ATTAAGGTTT	TTTGTTTGTT	TTTGAGACGG	AATCTTGCTC	TGTCACCAGG
52801	CTGGAGTGCA	GTGGCGCGAT	CTCGGCTCAC	TGCAACCTCC	GCCTCCTGAG
52851	TTCAAGCAAT	TCTTGTGCCT	CAGACTCCTG	AATAGCTGGG	ATTACAGGCA
52901	TGCACCACCA	CACCCAGCTA	ATTTTTGTAT	TTTTAGTAGA	GATGGGGTTT
52951	CACCATGTTG	GCCAGGATGG	TCTGGATCTC	CTGACCTTGT	GATCCGCCCA
53001	TTTCGGCCTC	CCAAAGTGCT	GGGATTACAG	GCGTGAGTCA	CCGCGCCCA
53051	CCGTATTAAG	GTTTTTAGGC	AAGAAAGATG	AACATACTGT	GATTTGACAA
53101	GTAAAAGCAA	CAGAGGAAAG	AATTAGTAAA	GACTTAACTC	TGTCAGATTT
53151	TGCAAGGGGA	GATCTATCCC	ATGGGGATGA	AACATGATTC	CTTTTGGTTT

FIGURE 3S

53201	GTGTTTTTGT	TTTTCCCAT	GTCACAGTTA	TCCTGTATAA	ATAATTGTAG
53251	GAGTTCTCGT	CAATGTTGGT	TGATTCTGGG	GTGCATTATT	ACTTAAACT
53301	TCACTGGAAA	GACAAATGTT	ATTTTTGAAA	ATAAAACCAT	TTAAAAATAG
53351	TAGTTCTGGC	CAGGCATGGT	GGCTCACGCC	TGTAATCCTA	GCACTTTGGG
53401	AGGCCGAAAT	GTGTAGATCA	CCTGAGGTCA	GGAGTTTGAG	ACCAGCCTGG
53451	CCAACATGGC	GAAAACCCCG	TCTCTACTAA	AATACAAAAA	GTAGCTGGGC
53501	ATGGTGACAT	GTGCCTGTAA	TCCCAGCTAC	TAGGGAGGCT	GAGGCAGGAG
53551	AATTGCTTGA	ACCCAGTAGG	TGGAGGTTGC	AGTGAGCCAA	GATCGTGCCA
53601	CTGCACTCCA	GCCTGGGTGA	TAGAGTGAGA	CTCCATCTCA	AAAAAAGAAA
53651	AAAGTAGTTC	AAAATTAAAT	TATGGAATCA	AAGTTTTGTT	GCTGGGATGT
53701	ACCATACGGG	TTATCAAGTA	TAGTCCTTTT	ATATTAGAAA	TGGAAACAAC
53751	TGAGACCCAG	ATAATTTTTT	TTTTTTTTTT	TTTGAGACAG	AACCTCACTC
53801	TGTTGCCCAT	ACTGGAGTGT	GGTGACACGA	TCTCAGCTCA	CTGCAACCAC
53851	CGCTTTCTGG	GTTCAAGTGA	TTCTCCTGCC	TCAACCTCCT	GATAGCAGCG
53901	ATTACAGGCA	TGCACCACCA	TGCCTGGCTT	ATTTTTGTAT	TTTTAGTAGA
53951	GAGGGGGTTT	CACCGTGTTG	GCCAGGCTGG	TCTTGAACCT	CAGACCTCAG
54001	GTGATCCACC	TGCCTTGACC	TCCCAAAGTG	CTGGGATTAC	AGGTGTGAGC
54051	CATCGTGCCA	GCCAACCCAG	AGAACTTTAA	TAAGTGACTT	AGGAAGCTGG
54101	ATGTGGTGGC	TCACACCTGT	AATCCCAGCC	ACTTGGGAGG	CTGAAGCAAG
54151	AGGATCACTT	GAGGCCAGAA	GCTTGAGGCT	TCAGTGTGCT	TTACTTACAC
54201	CTCTGAATAG	CCACTGCAC	CCAGCCTGGG	AACATAGCGG	GATCCCCTCT
54251	CTAAAAAGAA	ATTAATTTTT	AAAAAGTGAT	GAAAAATCAT	AATTCAATAA
54301	GTCAATATCA	GTACAAGTCT	TCTGACTTAG	ATACGTTTTA	CCATTTAAGT
54351	TTCTTGTTGT	CTAGACTTTG	TTTTTGTTGAG	TTTTCCGTAG	ATTATTTCTA
54401	AAGCTTATTG	CTACATTTGT	GTGTAACAGG	TGTTTCCCCC	TCCCATAGAT
54451	GAGAATGAAA	GCTCAAACAG	CTTAAACAGC	TTGCCCAGGG	GTAACACAAT
54501	GAGTAAATGG	TTGAGCAGTA	ATTTAAGAGC	AGTCTGAATC	CAAGGTCATG
54551	TTTTTAACGC	TGCCCTGTTG	CCATTTCTTT	TAATGGTTTC	AATTATCTTA
54601	ACTAACTTTA	TTTGTCCCAG	TGGCAAAGTA	TTTTTCTTGT	GTTTATTGCC
54651	CATTGCTGTT	TTAGGAAAGT	TAGCCTAGTT	GAGTGCAATA	GCCAATTTTT
54701	TTTAAAAAAA	ATCTGGAAC	TTAAGTTTTT	ACTGAGATCA	CTTCTTGCTT
54751	GTGATGAGGT	GCATCATTGT	CATTGGGACC	TCATGTGAAC	ACATTITGCAC
54801	ACTGAGGCAC	ATTAACCTTT	AACTGTGCAG	CCTCCCGCAC	AGTGAATCAA
54851	CCTTTGAACT	GTGAAAGAAG	CCAAGGTGGA	AAGATAGGAC	AACTCTCGTG
54901	CATGAGAAAA	TGGTCAAATA	TATTTTAGGA	AAGAAAGATA	CTGACATTTT
54951	TACCTTGAGA	TAGTATTTGA	TACCGAAATA	CAATTTTAGT	TGGAAAACGA
55001	TTTTTCAAAA	ATCGTATTCC	TTTGACCTCT	ATGGGCTGGA	CATCATCAAT
55051	GTGCCTATCC	ATTAATTTCT	TGTACTTTTC	AGAATCTCTT	TTGTTGTTCA
55101	GATATAGAAC	TCCACATATT	ATTCAGTTTG	CACCAGGAAG	ATGCATGAAT
55151	GTCGTTGAAT	AACATGAGCC	CATTGGATTG	TGTTTCCTTC	AAAAGTATAA
55201	CCATGTTCTC	CATGGAAATA	TTTTACATCA	TGTTATCTTT	CTTACTATTG
55251	GTCCTTTGAC	ATTTTATTTG	CTTTTTTTCT	TTTTTCCTTT	TAGACAGAGT
55301	TTTATTCTGT	CGCCTAGGTT	GGAGTGCAGT	GCCATGATCT	CAGCTCACTG
55351	TGACCTCCGC	CTTGTGCCTC	AGCCTCTTGA	GTAGCTGGGA	TTACAGGCGT
55401	GTGCTACCTT	GCCTGTGCCA	CTATGCCTGT	GCAGTTTTTT	TGTGTTTTTA
55451	GTAGAGACAG	GGTTTCGCCA	TGTTGGCCAG	GCTGGTCTCG	CACTCCTGGC
55501	CTCAAGTGAT	CTGCCTGCCT	CGGCTTCCCG	AAGGGCTGGG	ATTACAAGGC
55551	AAGGCTGAGC	CCGGCCTTGA	CATTTTAAAT	GTAATTTAAA	CATATCCTAA
55601	TTGCAGTATT	ATCCAAAACA	GTAATATTTC	TAAGGCAAAA	AATGTCCTAA
55651	AATCTTATCC	TAGTTTTATC	TACTTCACTG	GTACTTACTA	GGAACCTGTC
55701	AGTATCTTAT	TAAATCATAT	TTGCCATGCC	CATGATTCAT	CTTGGTTTTT
55751	TTTTTGGCCA	ATTACCCAC	CCGTCATACT	CATTTCTCTG	CCTGAATTGG
55801	TAACCTCTGT	GAGGATATGA	GGACTGTAAG	CAACATGAAG	CCTGGGAGCT
55851	TTTATATATC	AAACACCTGG	AATAATGGCA	TGTGATAGGA	GCTCAGGCCA
55901	TGCACATTCA	GTGAATTTAT	GTAATAATAC	TCTGTAAGGT	AAAGTTGTTT
55951	TAAATGTTTG	TAGGGATTTT	GATCGTTTTT	AAGAGGTATT	CCTGTTTTCA

FIGURE 3T

56001	TTTTCCTTGT	AAAATCTTTG	TTCCCTCTCA	CTTCATAATG	CTACTTTAAC
56051	TTCTACTAAC	AGTAGGCTAA	CTACTAATAG	CTTACTGTTG	ATCAGATGCC
56101	TTCCACTGTC	GATTAAACTG	GGAATATTTT	AGTGTTGGAT	TGAAGGAGTG
56151	GCCTGCCCC	CCACACCTGT	GGGTATTTCT	AGTCGGGTGG	GACGAGAGAC
56201	TGAGAAAAGA	AATAAGACAC	AGAGACAAAG	TATAGAGAAA	CAACAGTGGG
56251	CCCAGGGGAC	TGGCGCCCAG	CATACCAAGG	ACCTGCACCG	GCACCGGTCT
56301	CTGAGTTCCC	TCAGTTTTTA	TTGATTATTA	TCTTCATTAT	TTCAGCAAAA
56351	AGGAATGTAG	TAGGAGGGCA	GGGTGATAAT	AAGGAGAAGG	TCAGCAACAA
56401	ACACGTGAGC	AATAGAATCT	ATGTCATAAT	TAAGTTCAAG	GGAAGGTACT
56451	ATGACTGGAC	GTGCACGTAC	ACCAGATTTA	TGTTTCTCTC	CACCCAAACA
56501	TCTTAGTGGA	GTAAAGAATA	ACAAGGCAGC	ATTACTGCAA	ACATGTCTCA
56551	CCTCCCACCA	TAGGGCGGTT	TTTCTCTCAT	CTGAGAATTG	AACAAATGTA
56601	TAATCGGGTT	TTATACCGAG	ACATTCAAGT	CCCAGGGGCA	GGCAGGAGAC
56651	AGTGGCCTTC	CTCTATCTCA	ACTGCAAGAG	GCTTTCCTCT	TTTACTAATC
56701	CATCTCAGCA	CAGACCCTTT	ATGGGTGTTG	GGCTGGGGGA	CGGTCAGGTC
56751	TTTCTCATCC	CACGAGGCCA	TATTTCAAGC	TATCACATGG	GGAGAAACCT
56801	TGGACAATAC	CCAGCTTTCA	AGGGCAGAGG	TCCCTGCAGC	TTTCCACAGT
56851	GCATTGTGCC	CCTGGTTTAT	TGAGACTAGA	GAATGGCGAT	GACTTTTACC
56901	AAGTATACTG	CTTGTAACAA	TTTTGTAAAC	AAGGCATGTC	CTGCAGAGCC
56951	CTGGATCCCT	TAAACCTTGA	TTTCATATAA	CACATGTTTT	TGTGAGCTCC
57001	AGGTGGGTC	AAAGTGGCTG	GAGCAAAGTG	GCTGGGGCAA	AGCTACAAAT
57051	TAACAACATC	TCAGCAAAAG	AGTTGTTTAA	AGTACAGGTC	TTTTTCAAAA
57101	TGGAGTCTCT	TATGTCTTTC	CTTCTACAT	AGACACAGTA	ACAGTCGGAT
57151	CTCTCTTTTC	CCTACATTGG	ATGATGTGAA	ACATATAACA	CTTCTGTCT
57201	CTTGTGAACA	AAATGCCTAT	TCAATTCATT	GTTTGAATGG	TCATTGATGT
57251	AATATTTGCT	TAACATTTGG	AATTTCTAAT	GCTTATATGA	GAACATGATC
57301	TGTTTTGTAA	AAATAAATTT	TGTTTATGGA	AATAATTGAA	AAAATTATTC
57351	TCCAGTGGAA	ATAATTATAG	AAAAACACTG	ACCTTGTATT	TAGGTCAGTG
57401	ACACTGTAAG	TTTTTGATTG	TTTTAATATG	AGAAATATGA	ATATCTTGGT
57451	TCATCACTTT	CTTTTAGTAT	AATGCTGTAG	GGTTGTCTAG	ATACCAAGGC
57501	TATTTTCTAT	TTAAATCAAG	CCCCCTTCT	CTTGCAAGT	TAAAAATGTA
57551	TGGACATCAT	TAGCCATCAG	GGAAATGTAG	ATCAAACTA	CAACAAGATA
57601	CTTCATATCC	ACTTGGGTGG	ATAAAGTAAA	AAACGATAGT	AAGTGTTGTT
57651	CAGGGCGAAG	AATTGGAACC	CTCATACATT	GGTGATAGGA	ATGTAAAATG
57701	GTGCAGCCAC	TGTGGAAGAC	ACTTTGGCAG	TTCATCAAAA	AGCTAAATAT
57751	AGAGGCACCA	TATGACCTAA	GTACGGTAAC	TCCTAGGTAT	ATACCTCCCC
57801	TCAAAAAAAG	TATGTTTACA	CAAAAATGTA	TACACGGAGT	GTGAATAGCA
57851	GTATTATTTT	TATAGCCCCT	AAAGTGAAAA	TAACCCAAAT	GTTTCATGAGG
57901	TGAAGGGATA	AACACAATGT	TGTATCTCCA	TACAGTGGAA	TACTGTTTGC
57951	CAATAAGAAT	AAGCGAAGTA	CTAATACATG	CTGCACAAGA	GTCAAACTTG
58001	AAAACATTAT	GCCAGTTACA	AAAAAATACT	TTATATGATT	CCATTTATAG
58051	GAAATGTCCA	GAATCAGCAA	GTAGATTAGT	GGTTGCTAAG	GGTTAGAAGG
58101	GGTAGGAGAG	AGATGGGAAG	TGAATGCTGA	TGAATATGTT	GTTTCTTTTT
58151	GGAGCAATGA	AAATGTTGTC	ATTTAAATAG	TGGTGGTAGT	TGCCGTGTGT
58201	GGTGGCTCAC	GCCTGTAATC	CCAGTACTTT	GGGAGGTCGA	GACAGGTGGA
58251	TCACAAGGTC	AGGAGTTCGA	GACCACTGGC	CAATATGGTA	AAACCCCGTC
58301	TCTACTAAAA	ATACAAAAAA	AATTAGCCAG	GCGTGGTGGC	ATACGCCTGT
58351	AATCCCAGCT	GCTTGGGAGG	CTGAGGCAGG	AGAATTGCTT	GAACCTGGGA
58401	GGCGGAGGTT	GCAGTGAGCC	AAGATTGTGC	CACTGCACTC	CAGCCTGGGT
58451	GACAGAGCGA	GACTCTGTCT	CAAAAAATAA	ATACATAAAA	AATTTAAAAA
58501	ATAAATAGTA	ATGATAGTCG	CACATCTAAA	ATCCATTGAA	TTGTATACCT
58551	AAAGGGGTCA	ATTGTATGAT	ACATGAATTA	CTAGCCTACT	GTTGATCAGA
58601	ATCCTTAATG	ATCACATGAC	CAATTAACAT	GTATTTTGTA	TGTGTGTTAT
58651	ATAGCATATT	TTTACAACAA	AGTAAGCTAG	AGAAAAAGAT	GTTAAGACAA
58701	TCATAAAGAA	GAGAAAAATAT	ACTTACTATT	CATTAAGTGG	ATAGATCATA
58751	TGAAGTAGAT	GATCATAAAG	GTCTTCATCC	TCATTATCTT	CGCGTTGAGT

FIGURE 3U

58801	AGGCTGAGGG	GTTGGTCTTG	CTGTCTCAGG	AGTGGCAGAG	GTGGAAGACA
58851	ATCTGTGTAT	AAGGGAACCC	ATGCAGTTCA	AACCTGTGTT	GTTCAAGGTT
58901	CAACTGTATG	TAGATGCATT	TGCTTCCATG	AGCATAAATA	ATCTCTGAAA
58951	TTATACACAC	TGGTTGCTTA	TGGAAAGGAG	AGCTGGATTG	CAATGTGGGT
59001	AGGCATGGGA	GGGAGATTTT	TACTAAATAT	CCTTTTGTGT	TTATCAAAC
59051	TTGTACCCTG	GCATTGTATT	ACATGTTTTT	CAAATAAATA	AAAGTTATAT
59101	AATGAGATAT	TAATAGCTTA	TCTTCTCTCT	TGATTTTACT	ATATCCAGGT
59151	CCTTCAAGGG	TTAGATTACT	TACACAGTAA	GTGCAAGATC	ATTCACTAG
59201	ACATAAAGCC	GGAAAATATC	TTGATGTGTG	TGGATGATGC	ATATGTGAGA
59251	AGAATGGCAG	CTGAGGCCAC	TGAGTGGCAG	AAAGCAGGTG	CTCCTCCTCC
59301	TTCAGGGTCT	GCAGGTGAGG	GAGCTGAGCC	AGCTTCATTT	CAGTGTGGGG
59351	GCATTGGGAG	CTTGCAAAGT	TGCAGTTGTT	GAAGGTATCT	GAATCAAACG
59401	TTACACATAA	GGAAGATTTT	GGAAAAGTTT	AATTGCTGGA	AATAACTGCA
59451	CCCTTGAAAT	GGAAAATGCC	CCAGCTACAT	TATATTTTAA	TATTGGAAGT
59501	ATTTACTTTT	GTCCCCCTTT	AAAAGGCCAT	TTAAATTTGT	AGTTGCTGCT
59551	TCATCTATAT	TTGAACAGTT	TTTTCTGTTG	CCAGCTTCTC	TGCAGAGGAG
59601	AACATAGTAA	CAGCTTTCCT	GTAGCTGACC	TTTAGTCATC	AGAATATTTT
59651	TCTGGCTTCA	ATTTTGTGTA	CATAAATTCT	TGTTGTCCAT	TTAGCATAGC
59701	TATGTCAATC	TGAGTTGTAT	CAACAGATTT	GGAGTTAGTT	AGAAAAGGCC
59751	TGATGGTGGG	GGAAGAAGAT	CAAGTGACCT	GAGTATTGGG	ATATCTTTAT
59801	TTCTGGGGCG	GGGTCGGGGA	GGTGGTGCAG	TGAAGTGTGG	ACTGTGCTTC
59851	TCACTCTTCG	ACACCATGAT	CTGTGCCTTT	GTGTGTTGTC	AGGCAAGCAT
59901	GGATACTAAA	GGGCTGAGGC	TCCTGGGACT	GCCTGGGGCT	CTCTTCACAT
59951	CTCCTTTACT	GCCATCAGGG	TGTTGTTTAG	ATCATGGACC	CAGCCTGTTA
60001	AGCTTTTGAC	CCTGGTGTAG	GGGTTTAATC	ATGTGATTCC	TAGACTATTT
60051	GCTGCATACC	AACTGCAGTA	TTTGATTAA	ATTATAGAAA	GCTTGCAAAA
60101	TAGATTCCAA	ATATCGATGT	ACATCTACAT	TGTTCATTTT	ATTATATTTT
60151	AAACAAATTT	GGTTTAATGA	CTGTGATATG	TATTCTTTTC	CATTTTCTTA
60201	AGTGATCTGT	TGGTGCTTGA	GCTTGACTGT	GTTTGAGATG	TATTAGTATT
60251	TCATTTTAGA	TAAATAAGAG	AAATGGCTCA	GTATGAGTAA	CTTCTGCTGT
60301	GACTTCAGGA	GTCATCATT	TGTTTCAGTG	GCATAAACTT	ACTCTAGATC
60351	CTTGATGATTA	AGAAGCTCTG	ATTAATAGTT	TTTGAAGTTG	GATAGCCATT
60401	AAAAGACAAT	AATTATTTCA	CTTTGCAATT	CGAATGACCT	ACATGAAGGC
60451	ATGTGTCTGT	TTTCTGCTAA	ATACAGATTT	TGTTTGATTT	TATTTTAGTG
60501	AGTACGGCTC	CACAGCAGAA	ACCTGTAAGT	ACTTACGCAT	ATTACTTTAT
60551	ATGCACCATG	TTAAAAGAGA	CCGTTTATTA	TTGAGTTGTT	CAAATTATAA
60601	AAAAGTTGTG	TATTTAAAGG	GTAGACACAT	TTATAAAAGC	TGTGTATCCT
60651	CAAATAGGTA	AGACTTAATG	TCTTGTTAAT	TTTTTTTTTT	TTTTTTTTGA
60701	AAACTGAGTT	TCACTCTGTT	GCTCAGGCTG	GAGTGCAAGT	GGTGCGATCT
60751	CGGCTCACTG	CAACCTCCCC	CTCCCTGGTT	CAAACGATTG	TTGTGCCTCA
60801	GCCTCCCGAG	TAGCTGGGAT	TACAGGCACC	TGCCACCGCA	CCCAACTAAT
60851	TTTTGTATTT	TTAGTAGAGA	GGGGTTTCAC	CATGTTGGCC	AGACTGGTCT
60901	CGAACTCTTA	ACCTCAAGTT	ATCTGCCTGC	CTCGGCCTCC	CAAATTTCTG
60951	GGATTACAGG	TGTGAACCAC	CACGCCCAGC	CTGTCTTGTT	AAGTTTAAAT
61001	GATCTGTGCA	GAGTTGGGAT	AGTTAGAGCC	TTTCAAAAAT	TGTCTTCTTT
61051	ATGCATTTTC	TGGACTATGG	TGGCCAAGTT	TAGTGAAATG	TGAGGTGATG
61101	GAGTTGAAGT	ATTTTTATTT	CAAAACCACT	TTACATTATT	TCTGATTGGC
61151	TGCTAAGTTA	CCTGTTTTTC	TGAAGCTGTT	GTTCTAATTT	TTTCCATGCG
61201	GATGTAAAT	AAGAAAGAGA	CTGATCTATT	TTGTGGTCCT	GTCAAAACAC
61251	TATGTCCTTA	TTAGATACTG	GGTGTGGTGA	CTCACGCCTG	TAATCCCTGC
61301	ACTTTGGGAG	GCTGAGGCCA	CTAGATCACT	TGAAGTCAGG	AATTCAAGAC
61351	CAGCCTGGCC	AACATGGTGA	AATCCTGTCT	CTACCAAAAA	TGCAAAAAC
61401	AGCTGAGTGT	GCTGGTGGAC	GTCTGTAATC	CCGGCTACTC	AGGAGGCTAA
61451	GGCAGTAGAA	TCACTTGAGC	CCAGGAGGTA	ACGGTTGCAG	TGAGCTGAGA
61501	TCACGCCACT	GCACTCCAGC	CTGGGCGACA	GAGTGAGACT	CCATCTCAAA
61551	AAAAAAAAAA	AAAATTAGCC	GGGTGTGATG	GTGTGCACCT	GTAGTCCTAG

FIGURE 3V

61601	CTACATGGGA	GGCTGAGGCA	TGAGAATCAC	TTGAACTCAA	GAAGTGGAGG
61651	TTGCAGTCAG	CTGAGATCAC	GCCACTGCAC	TCCAGCCTGG	GCAACAGAGA
61701	CTCTGTCTCA	AAGAAAACAA	CAACAACAAC	AACAAAACAC	TATTTTTACT
61751	GAGACAGCTC	TTGATTTGGA	ATGTAAGTTC	TGGAACAAGA	GGGAGCTTTA
61801	ATAATTAAGC	TTCCTGGCCT	GCTGAGAAGC	TCAAGTTGTT	TCCCATAGTT
61851	CTTCCCTGGC	TTGAGCTGCT	TGAATTTACT	GATTGATTGA	AAGGTTGGAG
61901	GCTGTCATTG	CCAGTGCTTT	GCAAGTCAGG	TAACCATGAC	GGGAGGCAGA
61951	CAAAAGCTGT	AGCTTTTTCT	TTTTCCCTT	TGCAGCATAG	GCTTATCTCT
62001	TACAGTTCAT	GTTGTCTTGG	CTGCTAAGAG	CTTCATATGT	GAGACCCAAA
62051	CACACAGTGA	CATACACCTG	CTCGGGCACC	TGTTTCATTT	TTGGCATTGA
62101	GGAGCTGGGA	TGTTGTTACT	TTGTATATAG	ACAGCAGCAA	ATAAACTTG
62151	CAAGAGGAGC	TTCTCCTTTA	AGGCCAAGAG	AATTTCGAAC	TTCAGTTCTC
62201	TTAGAGTTTG	AATGGTGAAG	ACTTACTGGA	TTTAAGCTAT	ATCCCTCTGA
62251	GGGCAGGACC	TGGTAGTAGA	CCTAGTACGT	GATATCAGTC	AGCACTGCTT
62301	TCCCTTTGAT	TTTATCGTAA	GCCTTACCAC	AAAGTGGATC	TGTCTGGGTT
62351	TGGGATTTTA	ATAGAATATG	GCATGAGAAA	GCAGAGTTTA	TTGCTATTTG
62401	CCATGCTGCT	AGTCGTTATA	CTATCGTGGT	GCTTTAAAAA	GAAGAATACT
62451	GACCTGTGGT	CTTTCCTTAA	CATAGATAGG	AAAAATATCT	AAAAACAAAA
62501	AGAAAAAACT	GAAAAAGAAA	CAGAAGAGGC	AGGCTGAGTT	ATTGGAGAAG
62551	CGCCTGCAGG	AGATAGAAGA	ATTGGAGCGA	GAAGCTGAAA	GGAAAAAAT
62601	AGAAGAAAAC	ATCACCTCAG	CTGCACCTTC	CAATGACCAG	GATGGCGAAT
62651	ACTGCCCAGA	GGTGAAACTA	AAAACAACAG	GATTAGAGGA	GGCGGCTGAG
62701	GCAGAGACTG	CAAAGGACAA	TGGTCAGTGG	GGCCTGGAAC	CTGGGCTGCA
62751	TGGGGTTCTC	AGAGCTCCAT	TAGTAGGGTT	CTGCCAGGTC	AACATGGGGG
62801	CTGATTTGTG	CTGCTGCTGC	AGATGACAAG	GATGATTCTC	TCCAACCTCC
62851	TATTGGGAAA	TATGGGAAAT	AGCCTCGTAC	TTCATTTGTG	AACTGTATGC
62901	CAGAAATATG	TTAACATTTT	AAAATAGTTT	TTAAAAATGT	AAAATAATTG
62951	AGAAATTCCA	TGTTTCTATC	ATGCTAATGA	TGGTGCTTTA	TTTTGTCAAT
63001	AACTTTTTAC	CTAACTGTAA	TGCACCACAA	GTCTGTTTCT	GAAGATTATA
63051	GAGGGTAGAA	ATGGAAGTGC	AACTTTATTT	AGAAAGAGTT	ATTTTCCCTT
63101	AAAGCTAACT	TTTTCTTATA	AGAGCAGGCC	AATTACTAAA	TGAATGAAAA
63151	ATGAGATTTA	GAAAACCTGA	AGGTTTTACC	CCAAAAGCCA	AGAGGTGTTT
63201	ACCAGGTGGT	ACATAAGCAT	ATTCAAAATG	TATTTTATTG	ATTGGAGATA
63251	GTACTTAATG	AGGCTGTATT	AAGGAGAGTA	ACAAGTTCTA	ATTCTTGACC
63301	CATCAAATTC	TTAAGGTGAA	GCTGAGGACC	AGGAAGAGAA	AGAAGATGCT
63351	GAGAAAGAAA	ACATTGAAAA	AGATGAAGAT	GATGTAGATC	AGGAACCTGC
63401	GAACATAGAC	CCTACGTGGA	TAGAATCACC	TAAAACCAAT	GGCCATATTG
63451	AGAATGGCCC	ATTCTCACTG	GAGCAGCAAC	TGGACGATGA	AGATGATGAT
63501	GAAGAAGACT	GCCCAAATCC	TGAGGAATAT	AATCTTGATG	AGCCAAATGC
63551	AGAAAGTGAT	TACACATATA	GCAGCTCCTA	TGAACAATTC	AATGGTGAAT
63601	TGCCAAATGG	ACGACATAAA	ATTCCCAGAT	CACAGTTCCC	AGAGTTTTCC
63651	ACCTCGTTGT	TCTCTGGATC	CTTAGAACCT	GTGGCCTGCG	GCTCTGTGCT
63701	TTCTGAGGGA	TCACCACTTA	CTGAGCAAGA	GGAGAGCAGT	CCATCCCATG
63751	ACAGAAGCAG	AACGGTTTCA	GCCTCCAGTA	CTGGGGATTT	GCCAAAAGGT
63801	AAGTGTTTCT	TCCCATCAAC	TGTCTGCCAT	CGCTGACTCC	AGGGACGTGC
63851	CTTTAACAAA	TGCTGTGAAG	GAATTGGCTG	GAAGTGGCCA	AGCCCTGTGT
63901	GTGTGTACTG	ATCAGTTTTA	TTACTTTTAT	ACTCCTGAAG	AAGTAATGTG
63951	ATTTAAATAA	ATTTTCTATG	CCATTAGGCT	ATTTCTTGCT	CTCTGCATAC
64001	CAAATCTTAT	TTCTGACCAG	TTTTCATTTT	TAATATATTT	AGTCAGCAGC
64051	ATCATTTGCA	AAAACCTTCC	AGTTTTAGCA	ACTTACACCT	TTCTAGAATG
64101	TGTAGTTTAG	TTTAAAATTC	GTATCTTCTT	CCATCTAATG	TCATTATATT
64151	TAGTTTAGTT	TAGTTTTGTT	TTGTTTCTAT	TCAAGAAAAT	TATGCCTCCT
64201	CTTTGACTCT	ATTGAGAAAG	AAGTGTCATA	TTGTCTTTTG	ATAGTTGTTC
64251	CTGATTATAG	GACCCTACTA	TTGGTAACTG	GCCCAGGATT	GTAATTTTCA
64301	AGGAATTGGC	ATGGATTTAA	ATGTGATGAC	AGATTATAGA	TTGGCTCTTG
64351	TGTTCTTGTC	TACCTAAGAA	GGCTTGACTT	ATTCAAAGCC	TTATTTTGGG

FIGURE 3W

64401	AGTGAATGCC	AAGTGACTCT	AGTAAGTGAA	AACTGGGTAA	CACAGCTGGT
64451	TTCCATACTG	GCTTATGGGG	GAAAAGCTCT	GAAACCTCCC	TCTGCTCCCT
64501	CTACTGACAA	GACTGTTTAA	CACACAGCGA	GTAAAATTGA	TGAGCCAGCC
64551	CTGCAAACAG	CCCGACATTC	TGCAGCCCCCT	TTGGTTCCAG	CAGTCTGGAA
64601	TTGCACGCCG	AGTAAGCTGG	CTTTGTTACG	CACTGGCTAT	GATGAATCCT
64651	CCTAAGGATT	TGCTTTCTTT	ACTTGGCTGG	ACGTGGTCAG	CTCCTGTTCC
64701	CCTTTCCAGG	GAGTGTTTGA	AGGTGCTTAC	ATAGAATGTA	GGTTAATTTT
64751	TGGGAAAGGG	CAGTAGTGAG	AGGTACCTTA	TCCAGACTTA	TTGTTGCTGT
64801	TGCAGTTCAA	TTTTTCTCTT	ACTTGAAGTT	TCTTTTTTTT	TTTATGAGAT
64851	TGAGTCTTGC	TCTGTCACCC	AGGCTGTAGT	GCAGTGGCGC	GATCTCGGCT
64901	CACTGCAACC	TCTGCCTCCC	GGGTTCAAGC	GATTCTCCCG	CCCCAGCCTC
64951	CTGAGTAGCT	GGGATTATAG	GCGCGTGCCA	CCATGCCCCG	CTAATTTTTG
65001	TATTTTTAGT	AGAGACAGGG	TTTCACCATG	TTGGTCAGGC	TGGTCTCAAA
65051	TTCTTGACCT	CGTGATCCAC	CCGCCTCAGC	TTCCCAAAGT	GCTGGGATTA
65101	CAGGCGTGAG	CCACCGCGCC	CGGCTGAAGT	TTCATATAGA	AAGTAATTTA
65151	CAAAGTACCT	TTTTAATTAT	TTCTATTTTA	TTCATTCATT	TATTTATTTA
65201	TTTTTTGAGA	CAGTCTCACT	CTAGTTGCCC	AGGCTGGAGT	GCAGTGGTGC
65251	AATCTCAGCT	CACTGCAACC	TCCGCCTCCT	GAACCTCAAGC	AATTCTCCTG
65301	CCTCAGTCTC	CCGAGCAGCT	GGGATTACAG	GCGCCCCGTC	CCATGCCCCG
65351	CTAATTTTTA	TATTTTTAGT	ATAGACAGAG	CTTCACCATG	TTGGCCAGGC
65401	TGGTCTCCAG	TGCCTGACCT	CAGGTGATCT	GCCCTCCCCA	GCCTCCCCAA
65451	TGCTGGGAT	TACGAGCCTG	AGCCACCATG	ACCAGCTCAA	AGTACCTTTT
65501	TTATTCATAC	TTATTTTGCA	AGTATTAGCT	TGGGCTGCAG	TGGCTTCAAG
65551	TACAGTCAGC	CCTCCATATC	CATGGGTTTT	ACATCTTTGG	ATTTCCCATC
65601	CATGTGTTCA	GCTAACTTCA	GGTGGGAAAT	AGTTGGAGGG	GAAAAAAAAC
65651	TGTGTCTTTA	TTGAACATGT	ACAGATTTTT	CCCCCCTTGT	CATTACTCCC
65701	TAAACAATAC	AGTATAACAA	CTATTTACAT	ACCATTTACA	TTGTAGCAGG
65751	TATTATAAAT	AACTAGAGAT	CAACTAAAGT	GTATAGGAAG	ATATATGTAG
65801	GTTATATGCA	AACACTACAC	CGTTTTATAT	CAGAGACTTG	AGCATCTGTG
65851	GATTTTGGTA	TCCTCAGGAT	GTCCTGGAAC	CAGTTCCCCT	GCAGACACCG
65901	AGAGGCACCT	GCATATCAGA	TAAACCCCA	GCTCAAAACT	TAATAACTGT
65951	GGAACTTTGG	TTTCTTACCC	TGTCTGAGCC	TTGGTTCATT	CCTCTATCAA
66001	AAGAAAGAAA	TGGCTACCTC	TAAGGTTGTT	AGTAGCACTG	AATTAATAAA
66051	AACAGTGCAA	TGGCAAAGGT	ACATAAATAA	CATATAATAA	TAATATATTG
66101	AAAAATTTCC	CATTGAATGT	AAGTTGCCTT	GGTCATCACA	ATCCATGTAA
66151	AGGAGCAGAA	TTGCTGCTTG	TTACCACATG	GTCATCATTG	GAGGCCCAGG
66201	CAAGTCATAA	GACTTATCCT	ATTGTTTACA	TGACAGCTCC	ATCTCTGTGT
66251	CACAGGAAAC	TTCAAACCTT	ACATGTCCAA	AACCAGAATA	CAACTTTCCC
66301	TGCCAACCTG	CTACACATAC	TGTATTTCTT	ACACTTGTTG	CCACCATTTC
66351	TTGTTGCTCC	AGTGAGAAAC	TTGATCATCA	GGATGTCTTC	TTTTTTTCTC
66401	TCATGTCCAG	TAAATCATCT	CATTTTGCCA	GTCATACCTC	CTAAGTAGGG
66451	GTCCCCCTTG	CCTTGTCCTT	AAAGTGGGCA	GTGTCATTGC	TTGCCTCTCC
66501	TATTATGGAG	GTTCCTTACT	GGTGTCTTGG	CTTTGTGTTT	TCTCCAGCTT
66551	TTCTCCCCAC	CTGCCTTTCA	GCATGCCCTT	CCATGGTGCT	GCTAGAGTGT
66601	CCTTGCACTA	TGCTCACCCG	ATCAGTGTAT	TCCCCTGCTC	ACAGTTTCCA
66651	CAGCTCCCCA	TCATCTACAG	CAGTGGTCTC	CACAGTGGAG	AGTGTACATC
66701	CCTGCATAAC	CAGCACCATC	CAGGAAGGTG	CAGGAAGGAA	TTATTAGAGC
66751	ATCTGTGTAT	TTTTTTATTT	TGAAAGAATA	GTACAATAAA	CAACTGTATA
66801	TCCTCCACAT	AGATTGAGCA	ATTCACATTT	TGCCGCATTG	CATATACTTT
66851	GTGTACACAG	ACACTGCATG	CTACACATAT	TAGGATACTT	CACTCCTAAA
66901	TACTTAAGCA	TTCATCTTCT	GAGAGATGAA	TTAGAACGTC	CTCCATTGTA
66951	ACAATAATAC	TATTACAACG	TGTAAGAATA	GCACTAATTT	TATATTATTA
67001	TTATTTTGAG	ACAGGATCTT	GCTCTATCGC	CCAGGCTGGA	GTGCAGTGGC
67051	GTGATCTCGG	TTCAGTGCAA	CCTCTGCTTT	CTGGCTCAAG	TGATCCTCCC
67101	ACCTCAGCCC	CCAAGTAGCT	GGGACTACAG	TTGGCACTAC	CATGTCTGGT
67151	CAACTTTTAT	ATTTTTGGTA	GAGAAAGTAG	GGTTTTACCA	TGTTGCCCAT

FIGURE 3X

67201	GCCAGTCCTG	AACTCATGGG	CTCGAGTGAT	CTGCCTACCT	TGGCTTCCCA
67251	AAATGCTGGG	ATTAAAGGCG	TGAGCCATCA	CACCTGGCCT	AATATCATCT
67301	ATTATTTATT	CCATATTCAA	ATTTCTCTAA	TAATTCTAAA	ATTTTCTTTT
67351	TAAATTTTCC	TGATCTAGGA	TATGATCCAA	CACAGTAGCC	TGCCTCCTGG
67401	GTGAGGGCTT	CCTGTATCCC	CAGCAGGCTT	ACTTCTCTTT	CCCCTCTGCT
67451	CCTGCTGGCC	ATGCTTGTCT	TAGTTGTATG	GGCAGTGCTC	ATTGTCAGTG
67501	TCTGTCTTCT	CATTAGAATG	TGAACTCTTG	GAGAGTGCAG	TGTGTTTTTA
67551	TCTTTGCATC	CTCAGCATCT	GATTCAGTGC	TAAGATAAAT	ATTTATTGAA
67601	TAACGAACAA	ACAAATGAGT	GATACCTTTT	TACATTCTTC	TTCTCTTTCC
67651	TTTCTCCCGC	TTTTTTCCAT	TTATAGTCAC	AATTTTACTG	TGTCCAACAC
67701	ACATACCATC	CCCAATACCT	GTTGCATCAG	GTAGAAACTG	GAGGTCTTGA
67751	AGAGCATTTT	AATATTGGCA	AATTCTAGGG	ATGTACCAGG	GACAGGATCT
67801	CCTTTGTTTG	GAAGCACTCA	GTTTTGCCCC	GCAGCTTGGC	CATTTGATAA
67851	GCAAGAGCAG	CCTCCCCCAT	GGGAGGTGTG	TTTTGTTTTT	TGCATGGGAA
67901	GGGGTATAAG	CCTAGAGTCT	TGCACTTGAC	CACACGGTAC	TTCGTGAATT
67951	TGAGGCAAGA	GAAACAATGA	AGAGTTTGTG	TAGATCCTGA	CTTTAGGGCA
68001	GAATGTACAT	GTTAGGGCAT	AGTAGAAGAA	AGACTGGGGC	CAGTTTGAGG
68051	AACTTGAAGA	AACCTAAATG	CCAGGCTAAA	GAAGGTACAC	TTTTTTCCTA
68101	GAGTAATTTG	GCAGCCATTG	AAGGTTGAGA	AGAGGATGGT	CCCTCTTAGA
68151	TGATCAGCTG	CCAGAGCCTT	AGTGTGTATC	TTGGCTCAAC	ACATCTGAAG
68201	GACAAAGGCG	CTGGAACAGG	GTGGTTTTGT	TGGTCTTACC	TGTGGGCTAT
68251	TTCTGGAATC	CTTCTGTGTG	CACCTGATGG	GGACCCACAC	CACCTGTCAGT
68301	CCTTGCTAGG	CTACTGTAA	CACAGCCTCC	GTGCTCCTAT	CACCTGAGCT
68351	TTTGCTCCCC	AGTCTGTCTC	TGTCTGGCAG	TCCAGAGAGA	ACTGTTTAAG
68401	GCTTAACTTC	TTCCCCCTTA	CCCACCCTCG	CCTCACCAAC	ATGATCTCCA
68451	TTGTGTTTCC	CATGTAGAGT	AGTGATGCCC	TGAGTTGTCC	TTCACTGAAG
68501	CTGACAAACT	CTCCAGTGTG	TTCCCTGGCA	GGTCTCTGTT	GGTGCCTGCT
68551	CCAGACCCAT	TCTCTGTTTC	CCTAATTCAT	TCTACACCGT	TCACACTGGC
68601	TTCTTTCTAA	AGTTTCTCAA	AGTTGCAAGC	CTGTTTCTGC	CTTAGGATTT
68651	TTGTACTTCC	CGTGTCTTTT	GCCTCAAAC	TCTCTTACTT	TCATGCCTGC
68701	CTTTGTTTCC	ACCTCTCTCT	AATGTCACCT	TCTCAGAAAA	GATCTCCCCT
68751	GAACAGCCTT	GGCATTATCC	ATCTCCTTTC	TCTGCTTTGT	TTTTCTTCAT
68801	AGCCTGTTTA	GCTACCTGAC	AGGATGTGTG	GATTCTCTCGT	TTATTTGCCT
68851	TATTGCCCAT	ATTTTCAACC	AGTACACGAG	TTTCCTAATT	TAGTTTGTGT
68901	TTTTTTCTTA	CAGTGTTCCC	AGTACCAAGA	CCATGCTTAG	CACACAGAAG
68951	GTAATCAGTA	AATATTTGTT	GCACGAATGG	TTGAGGTGGC	AACATTAAAT
69001	CTCTTAGTTC	CACTACTTCC	TTGGGCCTCA	TAGTGAACCT	CCTCCATATA
69051	GAGGGGATAT	TCTTGTCGTC	CTTGTAAGGA	CCCCTTATGA	TGTAAAGAGT
69101	CAGTGTGTGC	CTAGCTCCAT	GTGTTATGTG	CGTGTGACAG	CAGCTGTCTC
69151	ATTATGCTGA	GGCACTGTTG	GCTACCATCT	AATAGTTTCT	AGGATAGCTT
69201	CTTGTGGAAT	GAGTGACCAC	AGTGTACCCC	AAAGACTAGC	GTATCAGAAG
69251	GTGACTTAAG	GGGCCAGT	CTTCCCGAAG	TGAAAGCTTT	CCACTCATTC
69301	CCCTCTTAGT	GGAAGCAGAG	TGCAATTGCA	AGCTTTTCAT	TTTGGAAGGA
69351	AGACAGTCTC	AGTTTGTCTT	TTGTGTCAAC	ATTATCTGTA	AGAAGGAAAC
69401	CGTGTGACAG	GTCACTACTG	TGGTGACTCA	GTCAGAGGAG	GTGTGACAAA
69451	AGCATTCCAG	TTGGGTTTCA	GTGGACTTCT	TGGGAATGTA	GCAGTCTGGT
69501	ACCTTAGTTC	AGGAACTATC	ATACTGAGAA	AAGAAAGAAA	AGCAAAATCT
69551	CTTTTACCTC	CTGTTGTGTT	TTTATACAAT	TAAGTTATTG	AGATACATTA
69601	CCTAGCATCA	TTTGGAACGC	ATCAGAAGCT	AAGTAACTGT	TTACAAACCC
69651	GAACCAGGAG	GATAACAGCA	TGTCACCAAA	GAGATTCTGT	TCAGTGAACC
69701	TTAATGAGGG	ATATTAAGTA	CAAGAAACAC	CCCTGAATTT	AGGCCAGGTG
69751	CGGTGGCTTA	TGCCTGTAAT	CCTGGCACTT	TGGGAGGCCA	AGGTGGGCAG
69801	ATCACTTGAT	GTCAGGAGTT	CGAGACCAGC	CTGGCCAACA	TGGTGAAACC
69851	CCGTCTCTAC	TAAAAATACA	AAAATTAATC	GGGCATGGTT	TCAGGCGCCT
69901	GTAATCCCAG	CTACTCGGGA	GGCTGAGGCA	GGAGAATTGC	TTGAATCTAG
69951	GAGGTGGAGG	CTGCAGTGAG	CCGAGATCGC	GCCACTGCAC	TCCAGCCTAG

FIGURE 3Y

70001	GCGACAGAGT	GAGACTCTGT	CTCAAAAAAA	AAAAA	TTCCCTGCAT
70051	TTAAATGTGA	GGTGATGGGT	CTTTGAAAGT	ATATTTCTTC	TAGCGTGATT
70101	GAATTAAGCA	GCTCCTGAGA	AATGTTTTTA	AAAACAACAT	CTCAGAGTGG
70151	TGGCAGATTA	CAGATCATCT	CCTTCCACTT	GAGTGCCCTC	AGATAACAGC
70201	CAACTCGGCT	ACTGTTCTCA	TGGAGAAAAA	GAAATCACAT	CGTTCTGTGG
70251	CTCAGGAGGA	CCACAATATG	TCTAACCGGG	CTTCGCCCTC	TTCTCATTAG
70301	ACCTATGATT	TGAGTTGTTT	GTGGGGGCGG	AACTTGCTCT	TGGGCTCCCC
70351	CTTCCCTCTG	CTGCTGCTCT	CTGGTCCCTC	ACTGACCACT	TGGGAGCCTC
70401	TGCCCCAGAC	GATGGTTCAG	CTGGTCACAG	CAGAGGGAAG	CCCCTGCGTC
70451	TGGCCAGGCG	CCCAGATGCT	GTCCTGACTC	TCCTGTGTTT	GGGTTTTTAG
70501	TGTCTTCGGT	GGGGAAGGGG	TGGTCCCTTC	CGATTCTTCT	TTTCTGAAC
70551	ACCAAGCCTC	ATAGAGTTTA	AGTCATTTGC	CAGTCTTACA	ACTTGTAGAT
70601	ATTGAAACTT	AGATTTGAAT	CCAATTTTTC	AAACCTCAAA	TTCCATTTTC
70651	CTTCTTGCTG	ATTCTTCTTG	ATTAAATGAC	ATACGGGGCA	TTCATCTAGT
70701	CATGTCTAGT	GTTGTTTCATC	TACCCATTGG	GTCAGCATTT	TTATATTTAT
70751	CCTGGACCTC	TGTTCTCAGC	CCCAGGTGAA	TCAGTGTATA	TTCATTTTGC
70801	CTTCTTTTTT	GGTCTTTGTG	CTGCTTTCTT	TCTGAATTTT	TGCTGAGTTC
70851	TGGTGTTTCT	TTTCCTGAGC	TCATACCTGG	CCTTTGGTGA	GGCTGTGCAG
70901	AATCCTTATA	AAGAAGGAAA	CAGGCATATG	GAAGGTAGCA	AGCAGGGAAT
70951	ATCTGTACCT	GGCTGGCTCA	TTTGATTAAAC	ATGCTAGAGG	AACAGGTCTT
71001	GAGGGTTAAG	ATACTGGTCA	GAATTTCTTT	GGCGTCTCT	GGAGCCCCC
71051	TAGGGAGCTG	TGTGGGCAAC	CTAGGCTCTG	AGGCCCTTGC	CTGTTCACTG
71101	CCTTACGGCA	AGTTGCAAGG	CTGGCCCTCC	TTCTCTTAT	GGGGCTTGCT
71151	GAAGAATCAG	AGCCTCCCCA	AGCACCTGG	TTTCACAGCT	CGTATGTACC
71201	CCAACAGAGG	TTTAGTTTCAT	TTCAGCAGTG	CCCAGCTTCA	AGGAAACAAA
71251	GGGGCTCTCC	TAGGTAGGTG	TTTATATTAG	TCTGTTCTCA	CATTGCTGTA
71301	AAAAATACCG	GAAACCCGGT	AGTTTATAAA	GAAAACAGGT	TTAATTGGCT
71351	CACAGTTCCA	CAGGCTGTAC	AGGAAGCATG	GCTGGGGAGG	CCTTAGGAAA
71401	CTTTCAAATA	TGGTAGAAGG	GGAAGCAGGC	ATCTTACATG	GCTGGAGCAG
71451	GAGGAGGAGA	GAAGGGGGAC	GTGCTACACA	CTTTTAAACA	ACCAGATCTC
71501	GTGAGAACTC	ACTCAGTATC	ACGAGAACAG	CAACGTGGAA	ATCTGCCCCC
71551	ATGATCCAGT	CACCTCTCAC	CAGGCCCTC	TTCTAACACT	AGGGATTACA
71601	ATTGACATG	AGTTATGGGC	AGGGACACAA	ACCCGAATCA	TATCAGTGT
71651	TAATGTTCTA	CATTGAACAG	GCTTTTCTGC	TTGGTTTTTA	AATACCATTT
71701	CAAAATTTAC	TTATACAGTA	AATAAAAGTC	CTGGTTTTAT	TTCATCTTTA
71751	CCAGAAATCT	GATCTTGTA	GTCAGTCTGA	GGTTTGGTGA	TGAAGATGCT
71801	GACTTTAAGG	ACTATTTTTC	TGGGCCTCAC	CAGATTATTT	TTGTTTGTC
71851	CTTGCCCTT	GGTTAACTCT	GCTTGATACA	GGCATGATCT	GAACCTGTTT
71901	GAGAAGATCT	GGCCCCAGAA	TCTCTGGGAA	GCTGGCCCTA	TACCTGCCTT
71951	TGAGATTCCC	TGGAGTCATC	CTGGAATTTA	GAATGACTGC	TCATGTACAT
72001	GACAAGTTCA	TGACTGACCT	CAGAGGTTGC	CTTTATGGCC	CAGGCCATCT
72051	CAGGAGACCT	CTGTCTGGGA	CCTTCCTTGT	CTAAACAAA	ACCAGAATAG
72101	TTTAGTCCCT	GCCTTTAATC	TGTGTTTGT	AATCAACAGT	CATCTACCCC
72151	TTGAGATCTG	TGTGTGCTCA	GCCCAAGCAG	TGGGAAGTGT	AGGGGATGAT
72201	TGGGTGTGA	GGTGTGCGGT	CCAGGGACCC	TGATGTCTTG	TGGCGTCCAA
72251	GGAAGTGTGT	GTCAGTGA	GTGATCGGCC	CCCACAGCAG	TGTTCTTTCT
72301	ACCTTCATGT	TCCTTGTAAT	AATGCATCAG	CAAGCTCGAT	CTGGGCCGTG
72351	AAGGGATGGA	TTGACACCAT	GAAGAGCCGC	CACAAAGCTG	CAGACAGGGG
72401	GACAGCAAGG	CTGGCTTGTT	CTAGGGCTGA	CCTGGACCCG	AAGAACTGG
72451	GGATAAAAAG	AGAAAGGTCA	AGGCAGTGCC	CTTGGCGTCC	TGTGGGCAGC
72501	CCAGTTTGCT	CTTTTCTGGA	GTATTTTCCA	GAGGTGGAGA	ACAAGCAATT
72551	TTAGTTCTGT	CAAGTTTAAT	TTACAGTATT	CCAGGCCTAA	GTGATCATTC
72601	CACTACTCTT	GAGGAAAGGA	GACTGACCCT	GGCAAACT	GTGCTCACAC
72651	ATGCAAACCA	CCTATCCCGA	TACTAACTG	TCCTGCTGTT	TGCTCATGCC
72701	AGCAAAAACC	CGGGCAGCTG	ACTTGTTGGT	GAATCCCCTG	GATCCGCGGA
72751	ATGCAGATAA	AATTAGAGTA	AAAATTGCTG	ACCTGGGAAA	TGCTTGTTGG

FIGURE 3Z

72801	GTGGTAAGTA	GAGTTTTCTT	TCTAAAACCT	TTGGTCTTGA	TTCTGTGTGC
72851	GAAGACACTT	TTTGAATGTC	TGTGTTGCTC	CGTGGTAATG	CAGCCTGTTC
72901	CCTTCCAGCA	TAAACACTTC	ACGGAAGACA	TCCCAGACGC	GTCAGTACCG
72951	CTCCCATAGA	GGTTTTAATA	GGAGCGGGGT	ACAGCACCCC	TGCGGACATC
73001	TGGAGCACGG	CGTGTATGGT	AAGGACGGCT	GTGCCCTTTG	CTGCCATGGG
73051	AATTGGCTCG	TTCTTTTCAC	ACTCTGGATG	GGGCTGAGTC	TCTCTGAGGC
73101	ATGCGACCTC	AGTTTTTCTG	ACTGTAAGGG	TCATCCACCG	TGGGCTGGGT
73151	GAGGGGAAGG	TTGCTGCCGC	AGGCATCTTA	AGAAGTGGA	GGATCCTCCT
73201	CAGGCGGGCC	CTGGGTGTTT	GGTGTGGTTG	TGGGCTTGTG	AGAGAGACAT
73251	GGTCTCTTCT	TAAGGCCCTG	CACAGCCAC	AGCCCCATGA	ATCAGACTCA
73301	GTTGTTGTGA	CACAGTGACT	TCACTTGTGG	TCCCTGAAAA	TGTGCAGGGT
73351	ATAGGGAGCT	TTTCCCTTCA	CTCACACTGT	GGAGGAAGAT	GAGGTAGCAT
73401	CTCCAGGGGA	AGACTGCCTA	AGGCGGGCAG	GTGGGAGCCC	CTCCAGGTAA
73451	GCCTCTGCCT	GGTCAACCAG	ACATGCAGGG	TTCTCACCT	TTCCAGACTG
73501	GAAGGGATTT	CCCCAGATGC	CAATGCATAA	TCTCTCTTCC	CTTATAAAGC
73551	AAGAGCTAGC	AGATATTCTG	GCTTATTCTA	GGATGTCTAG	CCCCTTCTGA
73601	AACAGTGGCA	GCAACGCCCA	CTCCCTCTGA	CAGAGTCTGT	TCCCAGAGTG
73651	GTTGAGATGA	CGGCTTCCAC	AGGGCGGCAG	AAGCCTCTTC	TTCTATCTGT
73701	CAGGCCTGTT	TTGCTGCTGG	TTTTGTGCTG	CACAGTTGCA	TTGTCTGTAA
73751	ACTCCCCTGG	CCCTGCCTGG	CATCGTTTGG	TCATTGACCC	TGAACCTGTG
73801	AGTTGGTGAA	CACAAAGGGC	CCTGCATTTG	CGAGCCAGTT	CCTGGTTCTC
73851	TTCTCTTGCC	CTGTTTCCTG	GCCCATTTCAG	CAGCTTTTTTC	TCAGTGGTAT
73901	TTACTTAGGC	GTTCCGTGTT	GGGAAAGGTG	GGTTGCTTGC	TGTTGGGTTT
73951	CATGCTTTTC	CTATTCCATA	CTGCTTTTTA	TCCATATTCT	TCCAATATTT
74001	AAAAGAAAAG	ATTGTGTGCA	AGGCTTAGCA	TTTTTCTTCT	CACTGAAAAA
74051	AGGAATGCAG	AATAAATATA	TTAATTTTCT	GTTATTCAGA	GGTTAATTTA
74101	ACAATTTTCT	TGAATTTACT	GTGTTTTACC	TCCTCTAATG	CTCAAGTAAA
74151	AGCATTGTTG	AGCAGATAGT	GCCAGCTGAT	AGGAGAAAAA	GAGGGTGCTT
74201	TCTGTCTTTC	AGCTTTGACT	CAGCATGATC	TGAGTCAGCA	CATGGCCAGA
74251	TAGGTCCTGA	AACACCAGGC	CTTTCTATTG	CCTCGTTGCT	CTTAAGGATA
74301	ATACCAGACA	ATAACGTTTA	AATTATTA	GGTATTAAAG	TTCTTCCATA
74351	TCAAAAACCA	AGTCCCTGCC	TTAGCTAGGT	ATAGAAAAGA	ACGGTTAAAA
74401	GAACCGGTGG	CCAATGATGG	TCACTTTGAA	TTTAGAGAGT	GCTGTGTGGA
74451	GAGGCATTTG	ACCCTCTCTG	TGTGACCCCA	GCAGGCAGAC	TGAGACGTGG
74501	GAGTTAGTGT	AACGGGAGCT	GCGGAGACAC	TGAGTGGGAG	TCGGGGAGCA
74551	GGGGCCATTT	CAGGATGTGG	GGAGGTTAGA	CCACAATGGC	CACTAGCAGC
74601	AGGGCTGCCC	CGAATTAGGC	GCTAAGTACT	CTTTGAACTC	TGAAATGCTG
74651	TGCTTCTAAT	TTGGGGTATT	AAGTTTGGTG	ATATAACCAG	AAAAATAGGA
74701	CGCAGTCACG	GATGTAGTGG	GTTAATGGAG	CTTTCAGCAC	AATTTTATAC
74751	CAGGTTATCT	GACCTGCCTT	CCATTAGATG	AACGTTTGTC	CCTCCATACA
74801	ATTTCCCTGT	CCTGCTTACT	TCTTGAAATG	CTATTGCTGT	GAACAGTGGC
74851	ATAAATATCA	ATAACAGATT	CCCAAGGAAA	AGCCTTTCTG	TCTTCTCACC
74901	TGCCCCCTTC	CCAAGAATTA	AGCATAAGCT	CCCTCAGTGC	TGTCAGGACG
74951	GCTTATGAGG	TTTGCTTTTT	CAGTTGGTTG	TCATAAGGGA	GGTTTTTTTT
75001	TTTTTGGA	GGGGCAGGCC	CTTATTCACT	GCTTGCCCCA	CCCCCAAAA
75051	GTCATGGCTT	TAGAGGTTTC	TTTTGTTTCT	CCTAGAGAAC	CTAGGAGCAA
75101	TGAGGCAGTT	TTTCTTACCT	CATCGTTCTG	TTGTAGTGTA	AAAAATAGGAC
75151	ATTTAATATA	TTAAATTTGA	CCTCATAATA	CCAAGCTGTC	ATAAGGCCAC
75201	AGATGGTTCT	TGGTGGTAAA	GCCTATATAT	AGTCTTTGAG	GGTTTTGTTT
75251	GTTTGTGTTG	AGACAAGGTC	TTGCTCTGTT	CCCCAAGCTG	AAGTGCAGTG
75301	GCAGGACTAT	AGTTCAGTGC	AGACTCCACT	TCCCAAGCTC	AAGTGATCCT
75351	CCCACCTCAG	CCTCTGGTGT	AGCTGGGACT	ACAGGCACAT	GCCACCACGC
75401	CTGGCTAATT	TTTGTATTTT	TTGTAGAGAT	GGAGTTTGTC	ACGTTGTCTA
75451	GGCTGGTCTT	GATCTCCTGA	GCTCAAGTGA	TCCACCCGCC	CTGGTCTCCC
75501	ATAGTGCTGG	GATTACAGGG	ATGTGACACT	GTGCCCCGCT	GTCTTTGAGA
75551	TTTATAAATA	GCATCAAATC	TCACAGAGAC	TCTGTTGGGA	ATGAGAGCTG

FIGURE 3AA

75601	ACGGGTGGTA	GCCATTGGCT	ATTGTCAGGG	AGGACAGCTT	TAGGCTCTGC
75651	AGCTGGAGAA	GCACAACAGA	ATGAGGGACC	ACAGCAAGGG	TATGTTGGGT
75701	TTGGATCTGT	TTTACTTTTC	TTGAGTTTTA	CTTTTTTTTT	GAGCTTTACA
75751	CCTTCCAGTG	TAAGTACATA	TAATCTGAAA	CTTCTTTGTG	GCTGAAGCAT
75801	TGGTTTCTCT	GCATTTATGT	ATTAGAGTCT	CTGATAGGAC	TTTTTATGAA
75851	CTCCATGGTG	AGTCCTGGTT	AGTGCCATAG	AAACAAGAAA	AGCCATTCCA
75901	ACAAACTTCA	CCAGACTTCT	TCGGCACTGG	TCACATTACA	GAACAAATAC
75951	GTGATCTTAT	TTGTTTCAGAA	TCGGGATACT	TCAGCATAGG	AGAATGTTTT
76001	AGGAGAGAGG	TAGTTGGTCT	CCCAAGAATC	TGGAAACAAG	TAGGTCCAGG
76051	GAAGAGCCCT	TTGAGGGGAT	TGAGCCAAGT	AGAGAAGAAT	CCGGAGTTCC
76101	CAGGTATTAA	AAATAATAAT	AAAGATTATA	CTTAGGCCCA	GCGAGGTGAT
76151	GCACACCTGT	AATCCCAGCA	CTTTGGGAGG	CCAAGGCAGG	CAGATCACTT
76201	GAGGCCAGGA	GTTTGAGACC	AGCCTGGCCA	ACATGGCAAA	ACCCCATCTC
76251	TACTGAAAAT	ACAAAAATTA	GCTGGGCATG	GTGGCACGTG	CCTATAGTCC
76301	TAGCTACTCA	GGTGGCTGAG	GCAGGAGAAT	CGCTTGAACC	CAGGAGGCAG
76351	AGGTTGTAGT	GAGCCAAAAT	TGTGCCGCTG	CACTCAGCCT	GGGCAATAGA
76401	AGGTTATACT	GGGAGTAACT	GAGTTGAAGG	CAGAGTTTTT	TTCATTGTAA
76451	TGTGCATTTG	CCCTGTTGTA	CATGTTGTAT	TGTTAAGAGA	ATCTTGCCAC
76501	TCTCCAAAGA	ATCAAAAATG	GGTAGCATT	CAGCCTTCAT	CTTCCTTGTT
76551	CCTTTAAAAA	AAAAGAAAAT	TATTTGGCCG	GGCTTGGTGG	CTCACGCCTG
76601	TAATCCCAGC	ACTTTGGGAG	GCCGAGGCAG	GCGGGTCACG	AGGTGAGGCT
76651	AACATGGTGA	AATCCCGTCT	CTACAAAAAA	TTAGCCGGGC	GTGGTGGCGG
76701	GCGCCTGTAG	TCCAGCTAC	TCAGGAGGCT	GAGGCAAGGA	GAATGGTGTG
76751	AGCTTGCACT	GAGCTGAGAT	TGATTGTGCC	ACTGCACTCC	AGCCTGGGCG
76801	ACAGAGCGAG	ACTCCGTCTC	AAAAAAAAT	TATTTTATTG	GTTGGCTTCT
76851	ATACATGTTT	TCTTGGGAAT	ATGTGGGTGC	TAATCAAAAT	GATGATTTTT
76901	TTCAAAGAAT	ACATACCTGA	CATATTTTGG	CAGTAAGAAA	TATGTACAAA
76951	GCTGGGTGCA	GTGTAGTGCG	CCTGTAGTCC	CAGCTTCTCT	GGAGGCTGAG
77001	AGAGGATCAC	TGGAGCCCAA	GAGGTTGAGT	CCAGCCTGGA	CAACATAGCG
77051	AGGTCCCTTC	TCTAAAAAAT	ATGAAAGAAA	AAGAAATATA	TGCAACCAGA
77101	TTGAAGTCAT	TTTGAAAATT	AATTAAGAGA	GTTAGTTAGC	ATAGGGCTCA
77151	AGGCAGGGGT	TGAAAAGCAG	CTTGGAACCT	GATCCAGGCT	TTTCAAGTCC
77201	TCGTTGTCCC	ATTAGAGTTT	TCAGATTTT	CTCTTAGCTT	GTAAGATACT
77251	GAATTGATTG	TTTCCCAGGC	TAGAAGGACT	CTCCTGGCCA	GTGAGTGTGT
77301	AATCTAGTTG	TTCCACTTGG	ATTTGGGGCC	AGTTATGAGG	TTTTCTGCCC
77351	CTCATCTGGG	ATTGGCCCAA	CTGTCTTCTT	TGTTTATTGG	GTGGAAAGGA
77401	GAGGCCCTAC	ATAAGGGCTT	TCCTGGGTTT	TCTGCTGGTG	CCTTCGTGCA
77451	TCCACAGTGC	TGGGACCACC	AGCTCACCAT	GCTGAGATGT	GACATGTCCG
77501	TGTCTTGCTC	AGACCTATGC	CAGGTTCAAG	GCAGGGATCC	TGAGTTCATA
77551	AATTAATGCT	TATCGCTCGG	TCAGCTGGAA	GCCATCTTGT	CACCATCCTT
77601	CCTTCCTTCA	AGTGATTGAC	AGGCAGTCTT	TTTTTTTAAA	AAAGGTGAAA
77651	AGATGTGGTC	CTGGGCTGAC	TGCACTCACT	CTTGGTTTGT	TAAAGACAGT
77701	GCCAGGAGAG	GTGGCCCCCTC	ACCCAGGCAG	GTGAGCCTTC	CCTTAAAGGT
77751	GCCTTTCCAG	CACTGTGTGG	TCATTGAAAG	AAAAAGAAGG	TAGGTTGATG
77801	CAGTGAAGTT	TCCCCAGTAT	TGGCTCCTTG	GGGCGGGAAT	GGGGAGGGCA
77851	GTCACAGATC	CACAGGCATC	AGTGATTGGG	CCTCTGAGCA	CCTTTTGGGA
77901	CAGCAAGATC	CGTTCAGAAT	AGAAGCAGCT	ATGAGAAAAA	CCAGAAATGG
77951	GATTTAGCTT	ATTCTTTTTT	TCTCTTTTAA	AACATTCTCT	TTGATCAGCA
78001	GAGCAGTAGC	AGTTGCCATT	TTTGTATATT	GTTACTAGCT	TAAACTCATG
78051	TTTTTGAGGG	TTTTTTTGTG	AGCAAGGGAA	ATGGGAACAA	ATGGTGTTCC
78101	CTACATGCTG	GCATGCTGAG	GGACAGCCAG	TGGCCACCCA	GGAAGCCAGT
78151	GCTCCGTGAC	ATCCACAAAA	GGGTCTGCAA	GACCATCTGC	TTCCTCTGGC
78201	CCTGGGGACA	AAGAGGGTCT	TTTTTGTTTC	CAGGTTTTCC	TTTGGTTGAA
78251	TCAGAAATGA	ATGAAATGAT	GATGAAATG	GTTGATGAGA	TACTGAAAAT
78301	AGTCCTTGGT	TACTAAAACA	TGAAGGTCTT	CGCCTAAAAG	ACGCAGCAGT
78351	GTCTGCTATA	CAGAGGCCAA	GGCTATTATA	GTGGTTGAGG	CAGGTGCTGG

FIGURE 3BB

78401	AGTCAGACGG	GCCTTGTTGA	GTCCTGGGTT	GAACTCTCGT	TCTACCATTT
78451	ATAGAGTGCA	TACCGCGCTC	TGGCCAGGCC	TGCATGCAGG	TGCGGCTGAC
78501	TCACTGACGT	TTTTGGTTTT	GCTTCCTGCA	AAATGAAGAG	AATACATAGC
78551	TCTTATATCT	TTCCTTAGAA	ATGTAAAAAT	ACTTCTGAAA	CTTCTTTGAA
78601	TGTGGAAGAA	AGAAAAAAT	TAGTATTGAG	CACTTTCAGG	AGGCTATTTT
78651	GTTTGATTCA	GATCTTCATA	AAGTGGCGGT	CTCTTCTATA	AGGAGAAAAA
78701	GCTGTTGACT	TGGGGGCCAG	TCTCTGAAGT	GCTTAGCATG	TCGTCTGTTG
78751	TATCCTAGGC	ATTTGAGCTG	GCAACGGGAG	ATTATTTGTT	TGAACCACAT
78801	TCTGGGGAAG	ACTATTCCAG	AGACGAAGGT	GAGTATTGGT	GCCTGCTGAA
78851	TACCTCGGTC	TAGGTCTTCT	GCCAGCCCTG	AACTTCTGTA	GAGTACTGTA
78901	TTTTTGTA	GAAATAGAGC	CATGTGTTTG	GTTTTCAAAC	ACCAAATTCA
78951	GATGCTTTTC	CTTTGAGTTT	GATGCCCCCT	CAGTCTCAGT	GAATGGGCAG
79001	AGCCTGCCTA	GCACAGGCAG	CACTCCAGCG	AGCCCTCAGG	GGCCCTACAC
79051	CAGCGGCTCT	TCCTGGCCTT	GCACAGGGCA	GGAACCCAGC	TGGCTGAGAG
79101	AAGACAGATG	ATACAGACCT	GAAGCCTCTA	TGTGGTCTTT	TTGACCATTG
79151	ATGTGCTGCC	CATTTCTCTG	TCCTGTTTGG	GAGCTGAGTT	GAAAACCCAG
79201	GAATTCTGGC	TTGAATGCCA	TCTGTAAACC	TGACCATCTC	CATGCTTATT
79251	TGCTTGCGAT	GCTGGGGTGG	CCTGGGGTGA	GCTGGCCTCA	GTCACTGTTA
79301	CTGCTCCAGG	TGGTGCCTGA	GGCCTGCCAT	TCCCACAAGC	CTCTGCATGG
79351	ATGTGCTGCA	GACACTGTTG	ATTTGAATCT	ATTCTGATT	TTTTACTAAT
79401	TTCAATTTTT	CCCTCTTCTT	TTATCCCATC	CTTCCCTTTG	CCCCTCCCAT
79451	TCCCATATCC	TTTTTTTCTC	TCCTCCATAG	ACCACATAGC	CCACATCATA
79501	GAGCTGCTAG	GCAGTATTCC	AAGGCACTTT	GCTCTATCTG	GAAAAATATTC
79551	TCGGGAATTC	TTCAATCGCA	GAGGTAGTAC	CTCTTCTTTT	TGAAAAGCGC
79601	CACGATGCAG	ACAGAAACTG	AAGAGCAGCT	GCTGATTTTA	GCATTAATGG
79651	TGACAAAGGC	ATTTCTCCTA	AATTCGAAAC	GCAACCCAGC	AGAATTCCTA
79701	TGCTGATAGA	AAAATTGTCA	GGGAAGACCA	CATTTAGCCC	TGTGCTGCGG
79751	TCACCCTGTT	CACCAGCCCC	TCTCCTGTGC	CCTCCAGCTC	TGGATCCTGA
79801	ATCCAGCAAC	GCGAGGAAGG	CCTGTACTTT	TGGTCATTCA	AGTTGCGCTC
79851	TGTTTCTGTC	TGCGCGGGCG	GTGGTAGTGT	CTGCATGCAG	TGTA
79901	AAACTGTCGT	GTGTTTCTGT	TTTGCTGGCA	ATGTTTCCCA	ATGCAGATCA
79951	CATAGCATTG	ATCATTGAAC	TGCTGGGGAA	AGTCCCTCGA	AAATACGCTA
80001	TGTTGGGGAA	ATACTCCAAG	GAGTTTTTCA	CCAGAAAAGG	TAACGGTATT
80051	TATGCAACAC	TAATTTTCAG	CATAGTCTTC	TCCCAAAAGG	AGAAATTGTG
80101	CATTCTGTAT	TGGGCAGTGG	AGAAAGATCT	GGAGTTTCAC	AACTGGGGAA
80151	TTCTTCCGAA	GAAAGCTCTC	AAGAAATAAA	CCTGACCCAT	CTGATACCTG
80201	GAGTAAGAAT	TTTGTAAGAG	AACAGCCTTC	CTAACAGCAT	TTTTTCTCTC
80251	TCCGCTTCTC	TCTTTTACTC	CAAGTTACCA	ATCTGTATAT	TATTTATAAA
80301	AAGGAGTTTA	GGTGATTGTT	AAAAGCCAGC	TAGACTTATC	TTTCCATTTC
80351	ATGGACTCTC	TGTAGTAGAA	CAGAGGTGGC	CTAGAGACTG	GACTTAGGGA
80401	ACGTCCAGGG	ACATTGCTTT	TGGTCTGCCT	GGGTTATTTT	TGTAGTGGGT
80451	GTAGGCCTGT	GAAATGCTGC	GTACCTCACA	TTCTTAAAAA	TGACATCCTA
80501	CATTCCCATT	GTGTTATGCC	ACACTGTATT	AAGGTGATTA	TTTTCATGTT
80551	GTAGTTCTTA	CTGATCTTCC	AACTGTTTAT	TTGCCAGTA	TAGTCCCCAG
80601	TTAGTAATTT	ATAAAAACAC	CCAAGAGCCC	TAGGAGTATT	TTTAAAAGAA
80651	CTCCTTCTAA	GTGCTATATT	CTTTTTTTTT	TTTTTTTTTT	TGAGATGGAG
80701	TCTTGCTCTG	TTGCCCAGGC	TGGAGTGGAG	TGGCGCAATC	TTAGCTCACT
80751	GCAACCTGTG	CCTCCCAGGT	TCAAGCAATT	CTCCTGCCGC	AGCCTCCCAT
80801	GTAGCTGGGA	TTACAGGCAC	ACCACCACGC	CCAGCTAATT	TTTGTATTTT
80851	TAGTAGAGAC	AGGGTTTCAC	TGTGTTGGCC	AGGCTGGTCT	CAA
80901	ACCTCAAGTG	ATCCACCCGC	CTTAGCCTTC	CAAAGTGCTG	GGATTACAGG
80951	CATGAGCCAC	TGCGCCACGC	CTGCTGTACT	TTTTTGTGAT	GAGTGTAGTT
81001	GGTCCTTCAT	ATTTTTTCAGG	TTAGATTTTT	TTTTTGGATG	TGACAGCCCT
81051	TAATAAAGAA	CTTTTAAAGT	TGATGTGAGT	AGGACATGGA	CTTTTAGAAA
81101	TTTCTGAAAG	TCCAGATGTC	TCTGTCTACC	TTACTTAGCT	AAATTTGGAG
81151	AACCACATTG	ATTTTTTTTT	TTTTTTTTTT	TTTTTTTTTT	AGATGGAGTT

FIGURE 3CC

81201	TTGCTCTTGT	TGTCCAGGCT	GGAGTGCAGT	GGCGCAATCT	TGGCTCACTG
81251	CAACTTCCGC	CTCCAGGCTT	CAAGTGATTC	TCCTGCCTCA	ACTTCACAAG
81301	AAGCCGGGAT	TACAGGCACC	TGCCACCACG	CCCGGCTAAT	TTTTGTATTT
81351	TTAGTAGAGA	GAGGTTTTCA	CCATGTTGGC	CAGGCTGGTC	TCGAACTCCT
81401	GACCTAAGGT	GATCCACCCA	CCTCGGCCTC	CCAATTGCTG	GGATTACAGG
81451	TGTGAGCCAC	TGCGCCTGGC	TGTGCATTTA	TTTGTCTTTG	TTAATCGTCT
81501	GTCTGTTGAG	GGGATCGAGG	ACTCCATACT	GTGCACAGCG	GGAAGGAAGG
81551	AAAGAGGGAC	AGAAAGAGAG	GCCTTGAATG	ATCAAGTGAA	GTCACTGAGT
81601	TGTTGGAAGG	CAGGGCCTGT	CAGCGGCCTG	CAGGCATGGA	GCTGGTTGCA
81651	GGCATCTGCT	CTTGGGCTGT	CACCTCTGTG	ATGGTTCCTT	TCAGTGAGAG
81701	CGGCCTGCGT	GTGGCCATAA	ATGGCTGGAA	GGCAGCTTCC	ACGTGGGCCT
81751	GTCAGCAACC	TTGCTCCCTG	AGACAGCTTG	TGGATGTGTA	TCTCCAGGTT
81801	ACTGCCATCA	TCACCACGTA	TACTTAGGAC	TTACGTGATC	GAGTTCCTTT
81851	TGAGCAGCTT	ATTTGAAGGT	AACCTGCAGA	GTTAAAATGC	ATTTGGCATC
81901	CTTCCTAATG	AGAGACCAAA	AATATTTTCA	CTTGGTGTTT	CTGTGGTACC
81951	TCGAGTTCTT	TTTTCTCTGT	TTTGGATATA	AGAGACCGTT	TGTGACTAGG
82001	TGAGAAATCC	CCTGAAATGA	CTGGGAATTG	GGACTTCAGT	TCTTTCCTGA
82051	TTATTATTTT	TAATGGCAGT	AGAGATCAGA	AGGGATTTAG	GGTTTTTACA
82101	GAAGTCACAG	GATAACATTA	TGAGGAATGA	GGGCCGGTCA	TGGAAATAGA
82151	TTTCACCGTT	GTCTCTTAGG	ATGAGGGGAA	TGGCTTGCTG	CGTGAAACAT
82201	GTGTTTTGGC	ATGTTCCCAT	AAGTAATATA	GGGGAAATTC	CATAATTTCC
82251	ATAATTTTGG	AAATAATGGA	ATCTTAAAAA	TATCCATTTA	AATTTTTTTT
82301	CCTAAAATAG	CTAAAATACT	TTGTGCTAGA	ACTGATAACA	AAATTTAAAA
82351	CAGCTGTTGA	TATGCCGTAT	CACTTTTGAA	AGCAGTTACT	GATGGAGAGT
82401	GCCTTCCCAG	GAGGTTTTCC	CGCTCTTTCT	CCTCTGGGTC	AGAGGCAGAT
82451	TTTCATCCTT	GCCACGCAGC	CAGAGAAGAG	TGGGGTCTGT	GTGTTAAGGT
82501	TGAACATCAA	ATGCAGCTCA	TTTGTCTCCT	CTCCTTGCGT	ATAATTTAAG
82551	AAGTCATGAT	CATTACTAGT	TTGAATCATT	CCTTGGCCAG	AAAGTTAAAA
82601	ATTGAGCTGT	ATTTTGGTCT	AGGGAATGTA	ATTACAGCTC	TCACCCCTCT
82651	AAGGTTAATT	TGCTGGACAT	GAGCCACCAA	AAAGCATTA	GAAACTACTG
82701	TGTTGATAGG	TGGTCCAATA	GAAATCAGCA	CGTCCATGAA	TTTTTTCCTT
82751	GTCTGTCTT	CAAGAAGTGG	GTGGTCCCCA	GAAGCTTTCC	AGCCCTCAGA
82801	TGATGGTAGG	AAAAACGGTG	CAGCCAGGAG	CAGACCTCAC	TGGGCTGGTC
82851	ACCAGGAATT	TTTCTGACCA	TTCAGCAGGC	ATATTTTAGT	AAAAATTTGCT
82901	GCGTGGATAA	TGGGATTATC	AAATGAGACA	GTTTACTTAA	AAAAAAAAAA
82951	CTGGTCTCTA	GATGACAGCA	TCGAGTGTGT	TGGGATAAAA	GAGAGTGATT
83001	GTGTGCATGT	GTGCGCGCGC	GTGTGTGTAT	GTGTGTGTGT	CAGACTACAG
83051	ACCTTAAATA	CAATTGAAAA	TTTCAAAAGC	AAGAAGCTTC	TGTGCAGCAG
83101	CATAAAATCC	ACGTTTCCCT	GAGTCAGGGA	CAACATCAAG	AGAAATGTGA
83151	GAACTGAGGG	CTAAAACCCA	GGAGCTGAGT	TTTAAAAAGA	GATACTGTAT
83201	TCTGTATTTT	TAATATTTAG	TGTCTGAGCT	GAACTTGTC	CAGTGTTTTA
83251	AAATTATCTC	CTGAATACCT	AAAAAGCAAC	AGATTCTTTT	GATGCTGTAA
83301	AGAGCAAAGA	AAGCTCTTTC	GTGGGCATTT	GACAGCTACA	CAGGCTGGGC
83351	GTTGTCACTG	CCACTCCTCT	TGTTTATCCC	TCCATCAGAT	GATGGGCGTT
83401	TGGTTTTCCC	CCACTTTTTG	GCTATTATGA	ATGATGCTAC	TATGATCATT
83451	AATGTACAAG	TTTGTGTGGG	CAGATGTTTC	CGTTTCTCTT	GAATACACAT
83501	GTGAAAGTTT	AAGTATAAAT	TTTTAAATTT	TGATGAAGTC	CAATTTATAT
83551	ACATTTTACA	ATTTGTGCTT	TTGATGTCAC	ATCTAATAAA	TCATTGCCTA
83601	CTTCAAGGTC	ATGAAGATTT	ACTTTTCTAG	GAATTGTTTA	GTTTTAGCTC
83651	TGAGGCATAT	GACCTATTTT	GAGTTGATTT	TTGTATGGGA	TGTGAGGTAG
83701	GGTTTATACA	CATTTTAAAC	TCCAATATTT	ACCTACATTT	GGTTGTCTAC
83751	TTGTGTAAGA	ATTCATTGAG	ATCTCTTCAT	TGTCTCTTGC	TTTGTATTGG
83801	TATTTCTTGG	TAGGTTTACT	TTCTACGTGT	ACACAATTGA	TGCTCATCAG
83851	TTTTATATCA	TGGTTTGCTT	TGTAATTACC	AGTGTTTCATG	TAAATATAGT
83901	CCAGGATTTG	CCTTTAGAGT	CCTCCACAT	GTAGTGTGGA	ACCTCATGGG
83951	CTTCTTTATT	TAATTCTGGA	ATATGACAAT	TTCATGGATA	AAATAATGTA

FIGURE 3DD

84001	TTTTCTTCA	CAAACCACTT	TAAGATTCAA	GAGAAGTATA	ATAGAACTTC
84051	CCTGTTTCCT	TAGAAGGACT	CTGCAAGTCC	AGGACTGGCC	AGTACAGTTG
84101	CTGTCACAAA	GCCTTTACTC	TGCAGGAGGA	ACCCTTCCTC	AGAGCCTGCT
84151	TCCTGTTGGT	TTTCCTTGGC	TCTTTCAAGC	TGTTTCTCAG	AGCAAATTCA
84201	GAAGCCTAAG	GGGCTCTTGG	GGACCACACA	ATTGGCTGCC	AGGCTCATGT
84251	TTGCTTGTGT	GTGTGTGAGT	TGATACTGAG	ATTGACAGCT	GATAGTCACA
84301	GGAAGGGTGA	AGTGATATTC	CACATTCTTT	AAGGAGGACA	GGCTAGAAAT
84351	GGAACCTTAA	GAAACTAAAA	TTGTCACAGT	TGTCTAGTTA	TTTGCAAAAC
84401	TTGTTTCAGT	GAAACACATC	TTCATATATT	TTCTTTTCTC	TCTCTTTTTT
84451	TTTTTTTACG	TCTTCATATA	TTTTCTTTTT	TCCTTTTTTT	GAGACAGAGT
84501	CTCACTCTGT	TGCCTAGGCT	GGAGTGTAGT	GATGCTATCT	CGGCTCATTG
84551	CAACCTCTGC	CTCCTGGGTT	CAAACGATTT	TTGTGCCTCA	GCCTCCCAAG
84601	TAGCTGGGAT	TACAGGTGTG	CACCACCACG	CCTGGCCAAT	TTTGTATTTA
84651	TTAGAGATCG	GGTTTCACCA	TGTTGGCCAG	GTTGGTCTCG	AACTCCTGAC
84701	CTCAGGTGAT	CTTCCTGCCT	TGGCCTCCCA	GAGTGCTGGA	ATTACAGTCA
84751	TGAGCCACCG	TGCCCGGCCG	ATGACATTTT	TTTAACTTGT	TAGGGTGCTA
84801	CTTTTATAGT	AAGAGCAAAT	GGTGAAAATG	TGTTTTTAAA	ATATGCTTTC
84851	CCCTCTTATT	CTTAATTATC	ATTCTAAGTG	ATGGAGGTGG	CTACATTTCT
84901	TGGGCATCAT	CTGCAGGGCT	GGAGCTGGCT	CATGGACTCG	AGACCCTCAC
84951	TCATTCACTG	AGCCCACTCT	TGTTGTGTCT	CCTAGCAATA	GATACAGAGT
85001	TGGGGGCTTG	GGCTTTGTGT	TAAAGTAACC	TTATCAACTA	TTTCCAGGGC
85051	AAGGTTACTT	CTTATACTGA	GCTTAAGGGT	TTGCACACAT	AATCATTATA
85101	GCATCTGGGT	GAGTTGATTT	TCCTTTGCAT	TATATTATAA	ACTTTTTCCA
85151	CAAAAAAAGT	CCACACATTT	TTTTTTTTTT	TAGAGGCGGT	TCAGTGTTTT
85201	GTTATATTGC	AGTGCTGCTC	TGTGCTCAGG	ACCATAGGTG	TTTAGGACTC
85251	TCCTGCATAT	ACTGTTGTTT	ATAGACTGCT	TCTTTGCACA	GTCTTTACCT
85301	TGTTAAAAGT	AGTTAGATAT	TTTACTGCTC	CTTGCGAATA	TTTTTACCAG
85351	TTTATAGTAT	GCCTAGTTAT	GGATGAATAG	TTTCTCATGG	CCTTTCACTA
85401	TTATATTGTT	TTGCTCACTG	TACTATGCA	GCTGTAAAGC	ATTTATAGTG
85451	GTAAAACCTC	TCTTTTCATG	GAAGATTGTA	CTTAAAAGAT	GCCTTGTTGA
85501	TGGATCTTAG	TTTAACACCT	GGCGCCTCAG	AAATAGGTTC	CTTTACTATT
85551	CTCAGCACAC	AGTGCTTCTC	TGTAGTTACC	TATATTTGCA	AACCTGGAGA
85601	GTATTTTTTC	TGAGATAGAA	TAGATTCATG	TCATAAAAAGT	TCGCTCCCTT
85651	TCCAGAGAA	CTTGTTTTAG	TCACATGTGA	GCTTTCTTAG	TTTGCTTTAA
85701	CTGTTGCTGT	GGTGAGATCA	ACAGTCTAAA	TCAATATAGT	CATATTACAG
85751	AAAATGTGGA	AATTGAAATA	ACCTACTAAC	AAAAGCTGAT	GTTTTGATTC
85801	AGTTGATTTT	CATCTTAATG	AGCATTTTAA	TAATCTTGTG	ATTATCTGTA
85851	GGACATAGTT	TGACTGTTCT	TTTACTGCCT	AATGTTGTAC	CATGATCTTC
85901	TCCCATGTTG	TTAAGTAATA	TTAAATACTA	TTAAGTGAAT	CTACCTTGGT
85951	TTTCTTTTAA	CCACCATTTT	ACTATTACTG	GCTCTTCGTA	ATTTTGCGAG
86001	TACATATAAT	TTTGTGCCAG	CATATATTAG	GCATGAATTT	GGGGTGGTGC
86051	AACCAGGGTT	TATCTCCTTG	GGCTGGATTC	CTAGAGCCGG	AATTTCAGGC
86101	TTAGAGGGAT	AAACCTGCAG	TCTCTGTTCA	GACTTTGTTT	TTATGGAGAC
86151	TGTGTTTCCT	TCAACAGGAG	ATCCTTTCCC	GCCTCTAATA	TTACAGGTTT
86201	ATTTCTTCAT	CAACACAGAC	CTGATGTCTA	GTCTGGATGC	GATGCTTTAC
86251	TCTAGCTCCA	GTCCTCATAT	TGGAAACAGA	AGCTTATTTT	ACATCTCAGC
86301	CCCTTTAGCA	AGCAGCCCTC	TTAAAGATTC	TTTATACGGA	ACCCTGTGCA
86351	CAGCATGATT	GCAACTTTGT	AGACATACTA	GTGTGTAAGA	ACACTCTTCA
86401	CAATAGACAC	AAAAGAAGAG	CAGTTGTGGG	TAGGATTGTA	GGCTACTTCC
86451	CCTTTTGTTT	TTATACTTTT	CTGTAATGCT	CTTTCCTTTT	CATTGTGTTT
86501	TTAAACGGGA	GGGCTTTTCC	AAGTTGACTC	GAATAAATGG	GTGAAACAGA
86551	ACAAGCCTCC	TGAGAACACC	TTTGTGAGCA	GAGCACTGAT	TATCTATTGA
86601	TGCATCTCAT	GAAAAAATG	TACCTTGTTT	AAATTAAAGC	AGTTGAAAGG
86651	GGAGAGAAGT	CAGTCCTTGC	ATGAAGTGTG	CCCTGCAGGT	GCTTGAATGC
86701	CTCTCTCCCC	CCACCGAGAC	CTGGCTGCTC	TGAGGTGTGG	GCACAGGGGG
86751	TGTTTTCCTC	TGCAGAAGCT	GCTCAGGATG	CACTGAGGGG	CACCTAAGGA

FIGURE 3EE

86801	GGTCTGTGGG	CAGGGGTGGG	ATGTCCTATG	AAAACTTCAA	ACAGGCAGAG
86851	AAAACGAGTT	ATTCACAGTG	AAATTATCTG	GAGCTTTTGA	CAGTTTATTG
86901	CCTTTTTGAA	AAGGTTATGG	GGAGACAGGG	TTTCGCTTGC	TCTGTCCCAG
86951	GATGGAGTGC	AGTGGCATGA	CCTTGACTCA	CTGCAGCCTT	GACCTCCTGG
87001	ACTCAAGCAA	TGCTCCTGCC	TCAGCCTCCT	GAGTAGCTGG	GATGTACCAC
87051	CGTGCCCAGC	TACTTTTTTT	CTTTTTAAGT	AGAGACAGGG	TCTGGTCTAT
87101	GTTACCCAGG	CTGGTCTGAA	ACTCATGGGC	TCAAGGGATC	CTCCTGCCTC
87151	AGCCTCCCAA	ACGGCTAGGA	TTGCAGGAGT	GAGCCACTGC	CCTCAGCCCT
87201	TTATTGCAGT	TTTGACTTAA	AAATAACCTT	TTTTTCTCT	TATGAAATGA
87251	CCATTACAGC	TCGTAGGCCA	TTTACTAGCT	TGTTAGTCAT	TCTGTTATGT
87301	CAACCAAAGC	TGCCTGTAA	CGACACTTTT	CATACTGCAG	CTAGCACAGT
87351	TTGTGAAGTA	TAACTTCAAG	GTTTACAAAT	TAATGTCCTA	GGATCTTAGA
87401	TCTTACAACA	AATGCGTAGA	CATGAATGGT	GTTTGATTGG	GGTTGGCCTC
87451	AAGTTTGCAA	ATTTTACGGA	AGATCCCAGG	TTGAAATGAG	AGTGGCTTGC
87501	TTCAACCTTT	GGAAAAGAAA	ACACTCTGGG	CAAACCTGAGC	CCACTCCACT
87551	TACTTAAAGA	AGCTTAGAAC	TAATGTGAAT	GAACCTATTAA	TTAACCTCTA
87601	TTTAGATCCA	CCAGGCTTAC	TTGAAATATG	CCTTGGTCAT	ATGTACATGT
87651	AATGATTATT	GCTTAGTGGG	GAAAAGCTGG	TGTTCTTTGT	TGTTGCTGTA
87701	CAAGTGTTGA	GCAGGTGGTT	GTCCGCTTCA	CTGAAAAGAA	CCTGACTGGA
87751	CCAACAATGG	GGAATGCAGA	TTTGGAGCTT	TCTTGACATT	GGCCTGTTTT
87801	TTCCCCTGTA	GGAGAAGCTG	GACACATCAC	CAAGCTGAAG	CCCTGGAGCC
87851	TCTTTGATGT	ACTTGTGGAA	AAGTATGGCT	GGCCCCATGA	AGATGCTGCA
87901	CAGTTTACAG	ATTTCTGAT	CCCGATGTTA	GAAATGGTTC	CAGAAAAACG
87951	AGCCTCAGCT	GGCGAATGCC	TTCGGCATCC	TTGGTTGAAT	TCTTAGCAAA
88001	TTCTACCAAT	ATTGCATTCT	GAGCTAGCAA	ATGTTCCCAG	TACATTGGAC
88051	CTAAACGGTG	ACTCTCATT	TTTAACAGGA	TTACAAGTGA	GCTGGCTTCA
88101	TCCTCAGACC	TTTATTTTGC	TTTGAGGTAC	TGTTGTTTGA	CATTTTGCTT
88151	TTTGTGCACT	GTGATCCTGG	GGAAGGGTAG	TCTTTTGTGT	CTTCAGCTAA
88201	GTAGTTTACT	GACCATTTTC	TTCTGGAAA	CAATAACATG	TCTCTAAGCA
88251	TTGTTTCTTG	TGTTGTGTGA	CATTCAAATG	TCATTTTTTT	GAATGAAAAA
88301	TACTTTCCCC	TTTGTGTTTT	GGCAGGTTTT	GTAACATTTT	ATGAAGAAAT
88351	ATTTTAGCTG	AGTACTATAT	AATTTACAAT	CTTAAGAAAT	TATCAAGTTG
88401	GAACCAAGAA	ATAGCAAGGA	AATGTACAAT	TTTATCTTCT	GGCAAAGGGA
88451	CATCATTCCT	GTATTATAGT	GTATGTAAAT	GCACCCTGTA	AATGTTACTT
88501	TCCATTAAAT	ATGGGAGGGG	GACTCAAATT	TCAGAAAAGC	TACCAAGTCT
88551	TGAGTGCTTT	GTAGCCTATG	TTGCATGTAG	CGGACTTTAA	CTGCTCCAAG
88601	GAGTTGTGCA	AACTTTTCAT	TCCATAACAG	TCTTTTCACA	TTGGATTTTA
88651	AACAAAGTGG	CTCTGGGTTA	TAAGATGTCA	TTCTCTATAT	GGCACTTTAA
88701	AGGAAGAAAA	GATATGTTTC	TCATTCTAAA	ATATGCATTA	TAATTTAGCA
88751	GTCCCATTG	TGATTTTGCA	TATTTTTAAA	AGTACTTTTA	AAGAAGAGCA
88801	ATTTCCCTTT	AAAAATGTGA	TGGCTCAGTA	CCATGTCATG	TTGCCTCCTC
88851	TGGGCGCTGT	AAGTTAAGCT	CTACATAGAT	TAAATTGGAG	AAACGTGTTA
88901	ATTGTGTGGA	ATGAAAAAAT	ACATATATTT	TTGGAAAAGC	ATGATCATGC
88951	TTGTCTAGAA	CACAAGGTAT	GGTATATACA	ATTTGCAGTG	CAGTGGGCAG
89001	AATACTTCTC	ACAGCTCAAA	GATAACAGTG	ATCACATTCA	TTCCATAGGT
89051	AGCTTTACGT	GTGGCTACAA	CAAATTTTAC	TAGCTTTTTTC	ATTGCTTTTC
89101	CATGAAACGA	AGTTGAGAAA	ATGATTTTCC	CTTTGCAGGT	TGCACACAGT
89151	TTTGTTTATG	CATTTCTTAA	AAATTAATTG	TAGACTCCAG	GATACAAACC
89201	ATAGTAGGCA	ATACAATTTT	AGAATGTAAT	ATATAGAGGT	ATATTTAGCC
89251	TCTTTTAGAA	GTCAGTGGAT	TGAATGTCTT	TTTATTTTAA	ATTTTACATT
89301	CATTAAGGTG	CCTCGTTTTT	GACTTTGTCC	ATTAACATTT	ATCCATATGC
89351	CTTTGCAATA	ACTAGATTGT	GAAAAGCTAA	CAAGTGTTGT	AACAATAATC
89401	CATTGTTTGA	GGTGCTTGCA	GTTGTCTTAA	AAATTAAAGT	GTTTTGGTTT
89451	TTTTTTTTTCC	AGACATTGCC	TTGGTCATTG	CCCTATAAAT	GATAGAATCA
89501	ATGAACATTT	GCTATCAGAG	TAGTGTCACT	AAAACATAAT	ACCAGCATTC
89551	CTGTTGCAGC	AGATGTAGTT	GTAGAACATG	CATTGAGGCG	TATTATAAGG

FIGURE 3FF

89601	AAATCATTTA	TTGTTTTTTA	AGGGCAGAAG	GGATTTAGGA	GAAAAGCTAC
89651	AGTATAGATT	GATTCTCTAG	AATATCAATG	ATCCCTTTTC	ATCCATGGTT
89701	CATCAAAAAC	ATACTAACTG	CATTTGTTTG	ATCATTGCAA	ATTTAAAACA
89751	AAACAGCATT	TGCTGTTAGG	AAACAAGACA	CATAATCCTC	TTAGGAATTA
89801	CCATTATATC	ACATTACCAC	TGTGAGGTAG	AATGGATCAT	TCATTAATTT
89851	CTTTATGAAA	TTTGCATGCT	AAGTTTTTCT	AATGAGGCTG	TAGGTTTCCA
89901	TGTAAATTCT	GTGATAGATA	GTGGCTGTAG	ACTGGTGATG	CTATCCGTGA
89951	TTTCTATGAG	AAACATCCTT	ACAAGAACCA	TAGGGCATAA	TTTATATCTT
90001	CCCTAAGTGT	AAAAGGATTT	TTATCAGGGT	GATAGTATAC	TTGAATGAAA
90051	TTTGTCTAAT	GCAGTTTTTG	CTTATGTTGG	AAAATAAACT	AGATTATGAA
90101	TTTTTACAGG	TGTGTCCCTT	ATGATAAAAC	AGCCTAACTA	GTTTATAATA
90151	CAGAAACGGT	TGTTCTAGAA	GGAATATACA	TTTGTATTAG	GCATAATATG
90201	GCTTTATCAG	ATTCTTGCG	GCTTGTTGAT	AAAGAATGCA	CAAAAACTAA
90251	ATGAGAACCA	CTGGTTATGC	TAAACATTAT	AACTAGCTCT	CTGACTTCAA
90301	TTGAATGTCC	TATCTATCTT	TTCCTTTCTG	TAGTCCATGT	GAAATCTTCA
90351	TGGAAAATGA	CAAGCAGTGG	ATCACATATG	TGTTTATAGC	AGATACAGGA
90401	GCTGGCTATC	TAGAAGTTGG	CAGACAGAAC	TGCCCAAAGG	CAGAGAAAAG
90451	GTGGATATAA	GATCTTCCGA	GTCATAAACT	TCTTAGGTGA	AAACCGATTT
90501	ACTAACTTGC	TTCTTCCCAT	ACCTGGACCA	TACATAACTA	G (SEQ ID

NO: 3)

FEATURES:

1999 2158 Exon
2159 36530 Intron
36531 36639 Exon
36640 37709 Intron
37710 37797 Exon
37798 38339 Intron
38340 38427 Exon
38428 45191 Intron
45192 45298 Exon
45299 59148 Intron
59149 59314 Exon
59315 60498 Intron
60499 60524 Exon
60525 62475 Intron
62476 62722 Exon
62723 63315 Intron
63316 63798 Exon
63799 72702 Intron
72703 72803 Exon
72804 72908 Intron
72909 72944 Exon
72950 87993 Intron
72950 73018 Exon
73019 78758 Intron
78759 78828 Exon
78829 79480 Intron
79481 79573 Exon
79574 87811 Intron
87812 87993 Exon

CHROMOSOME MAP POSITION:
Chromosome 7

FIGURE 3GG